

Fig. 1a

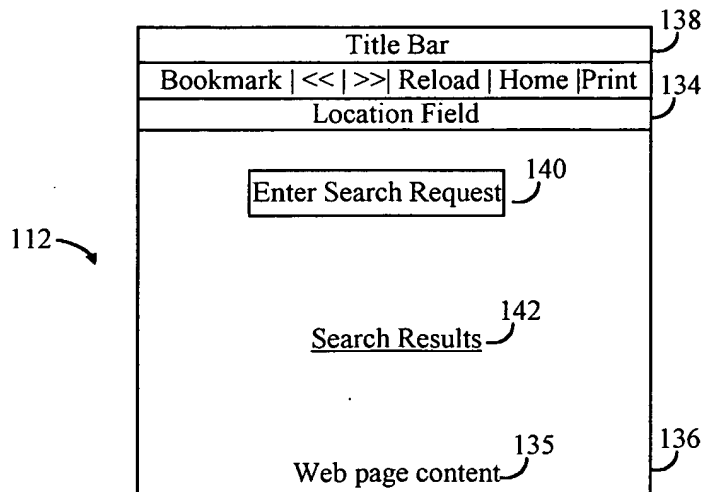


Fig. 1b

FIG. 1b

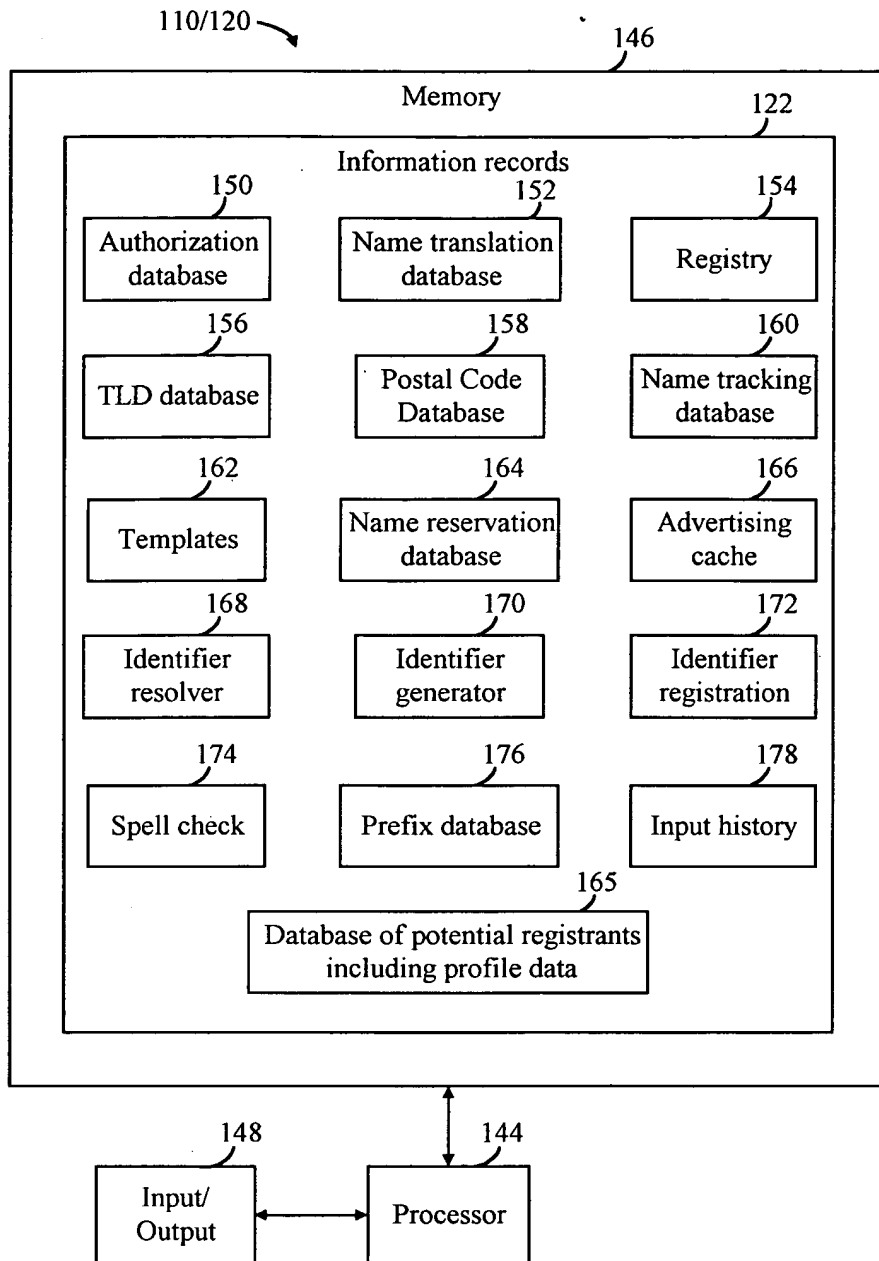
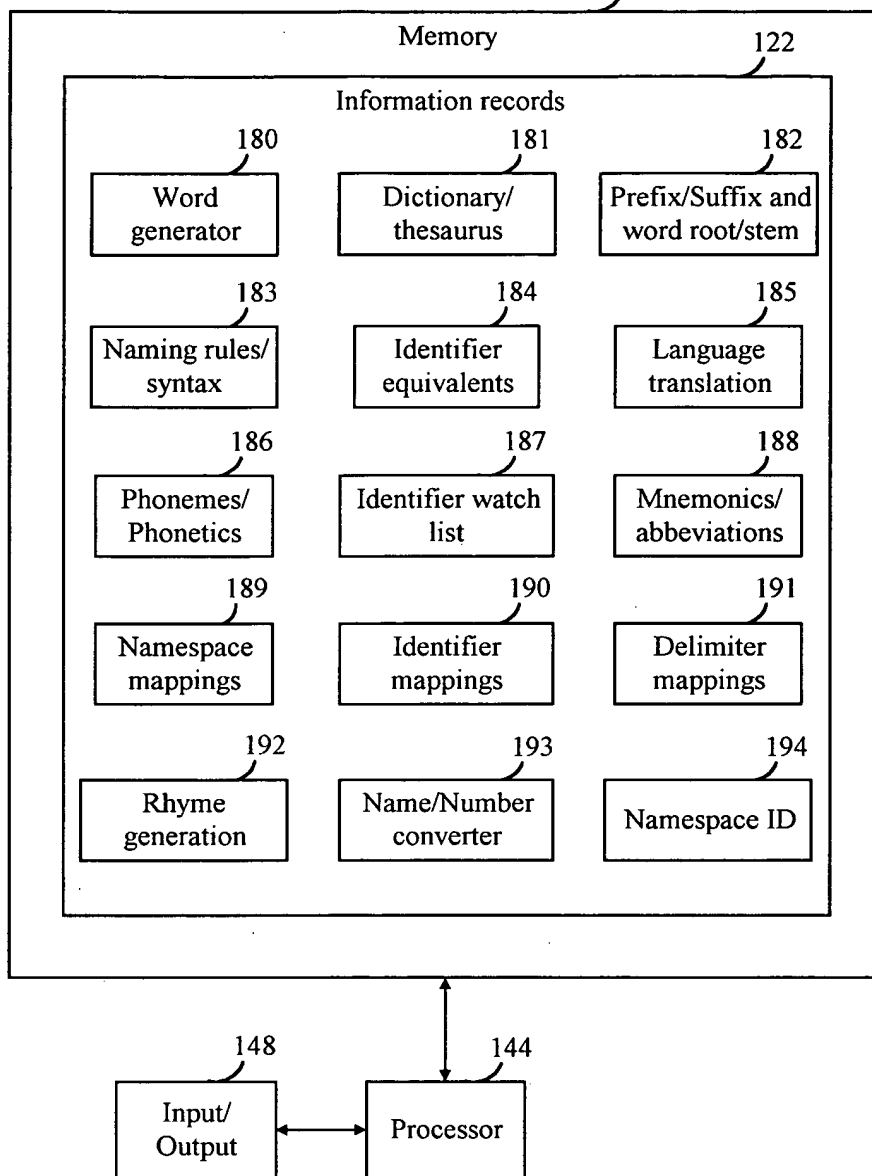
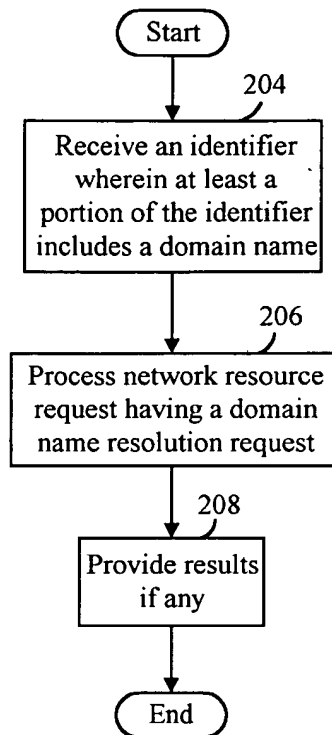


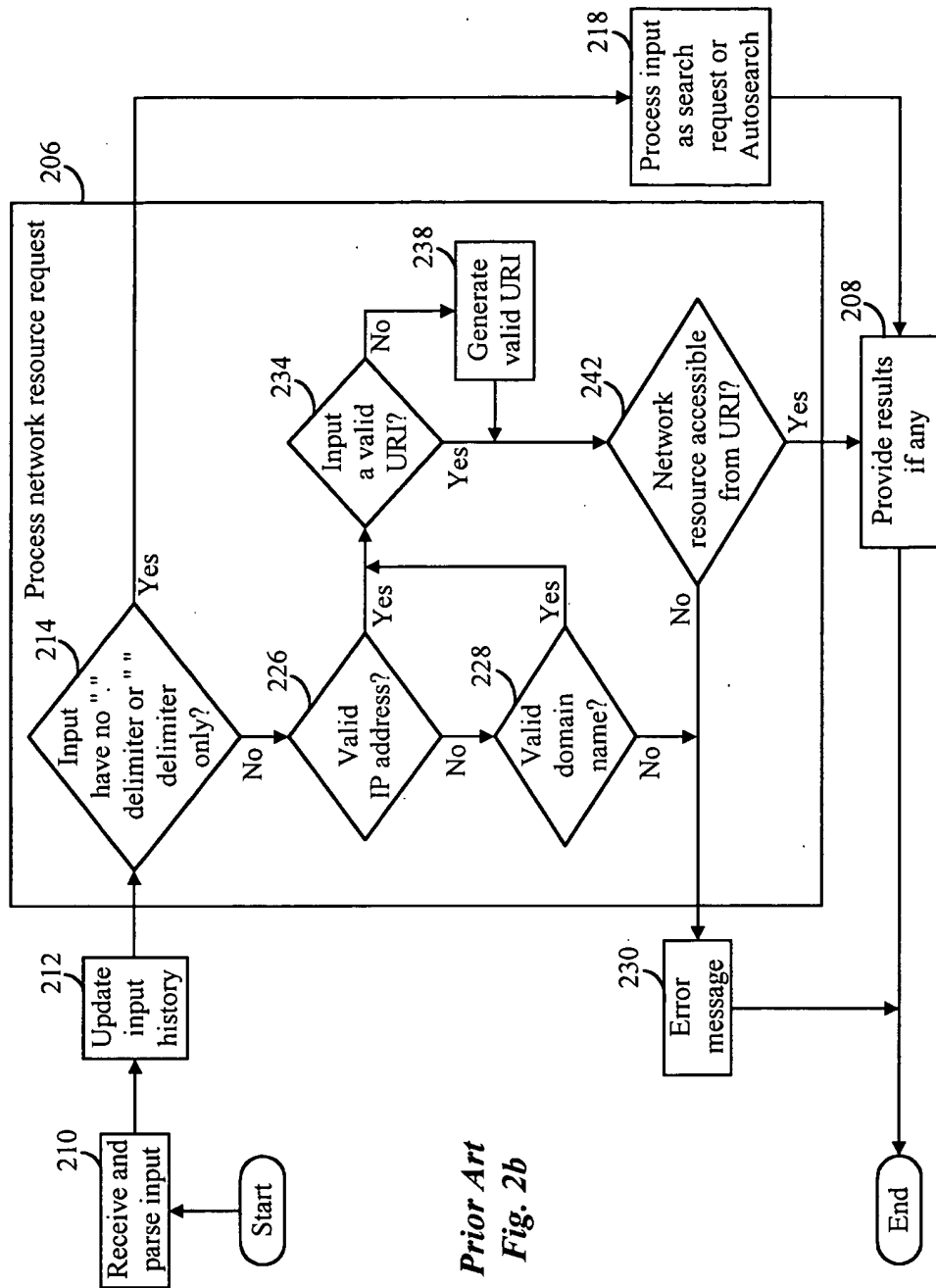
Fig. 1c

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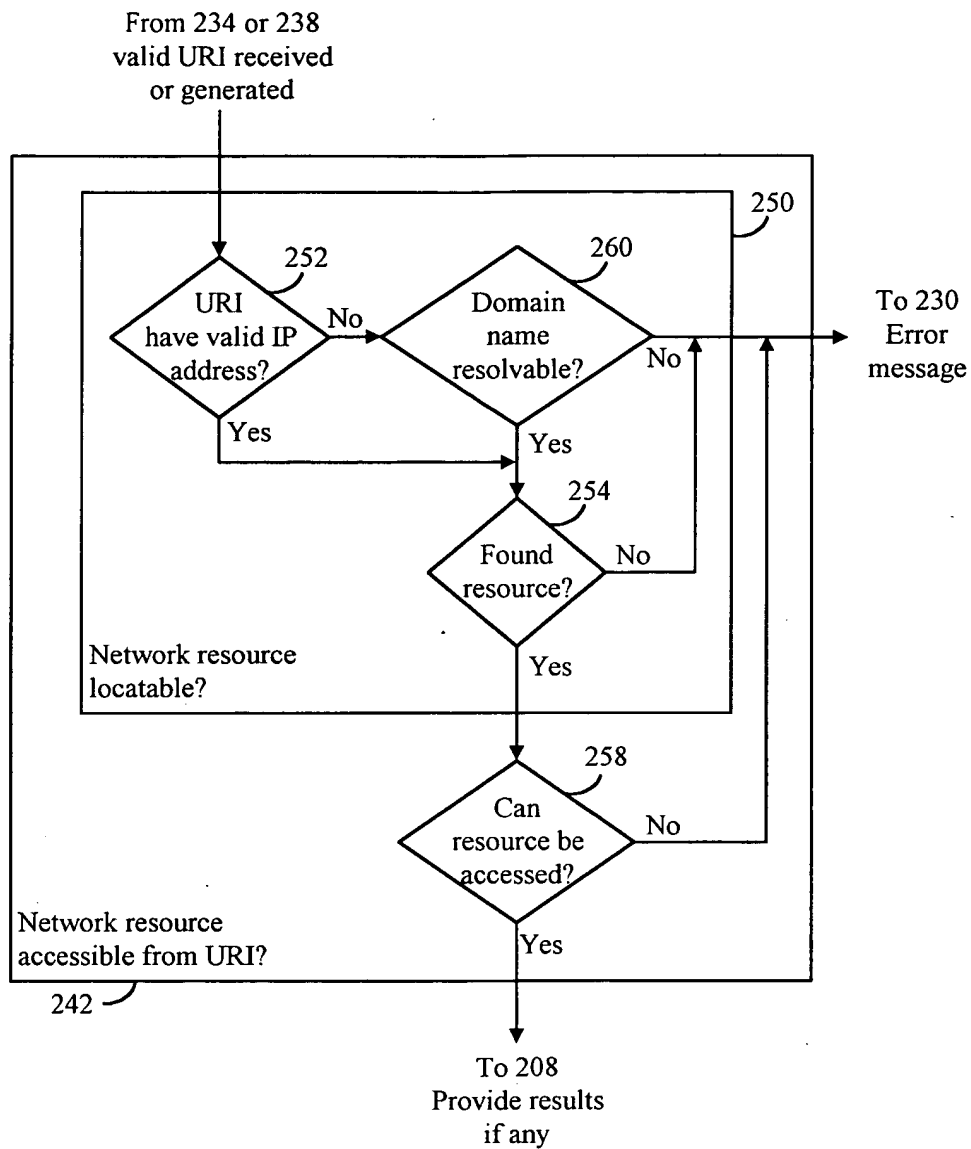


Prior Art
Fig. 2a

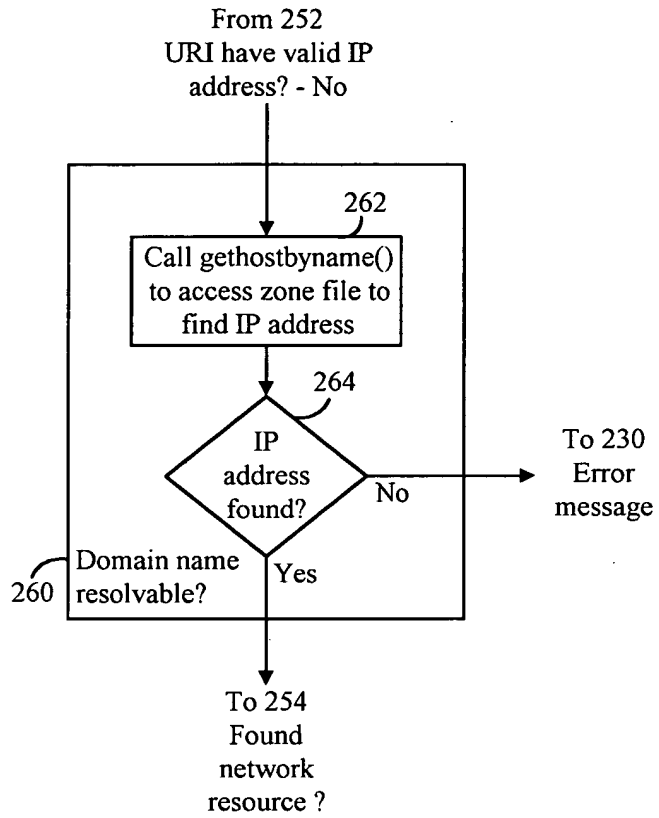


Prior Art
Fig. 2b

FIG. 2c



Prior Art
Fig. 2c



Prior Art
Fig. 2d

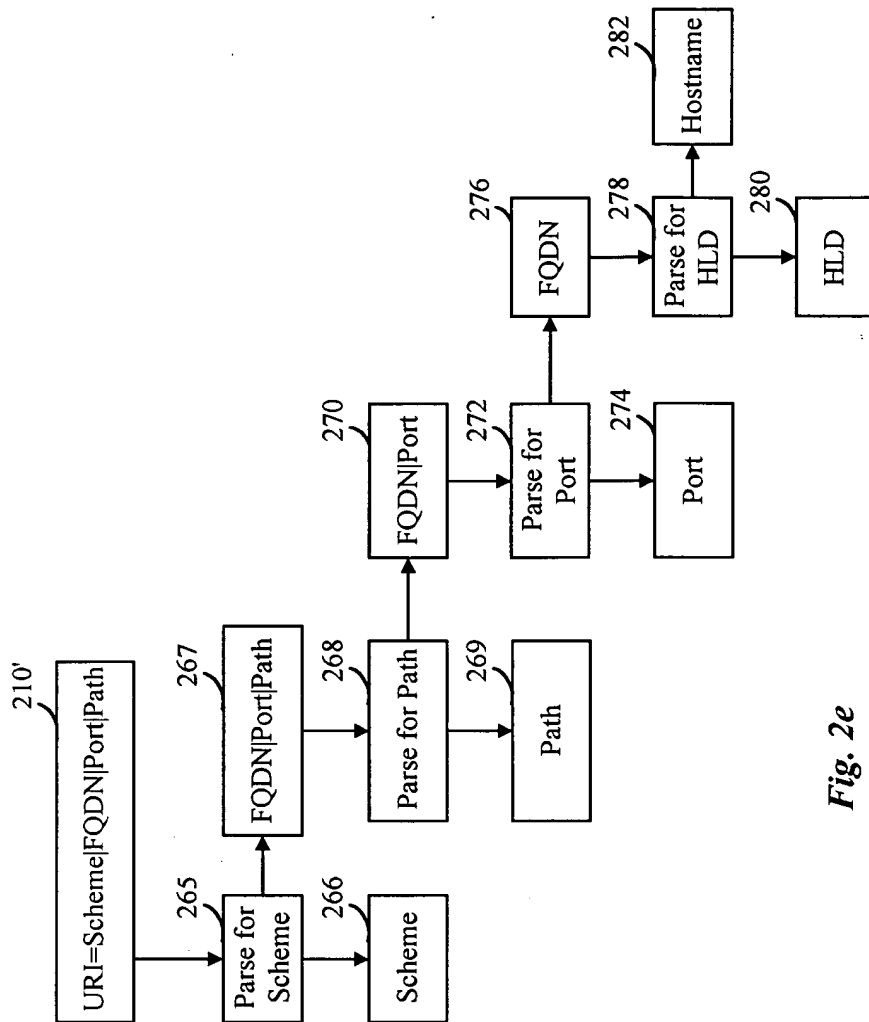


Fig. 2e

FIG. 2f

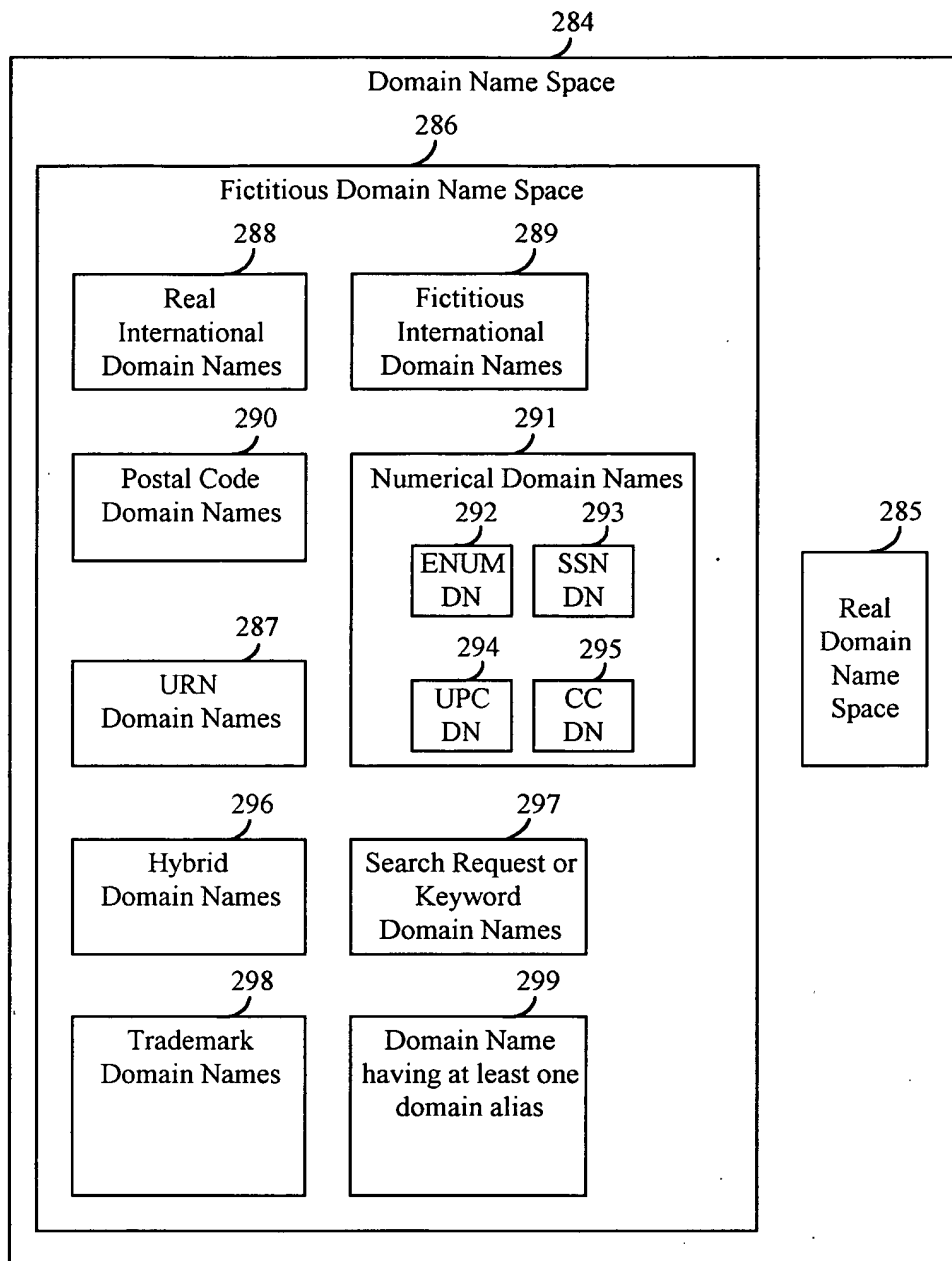


Fig. 2f

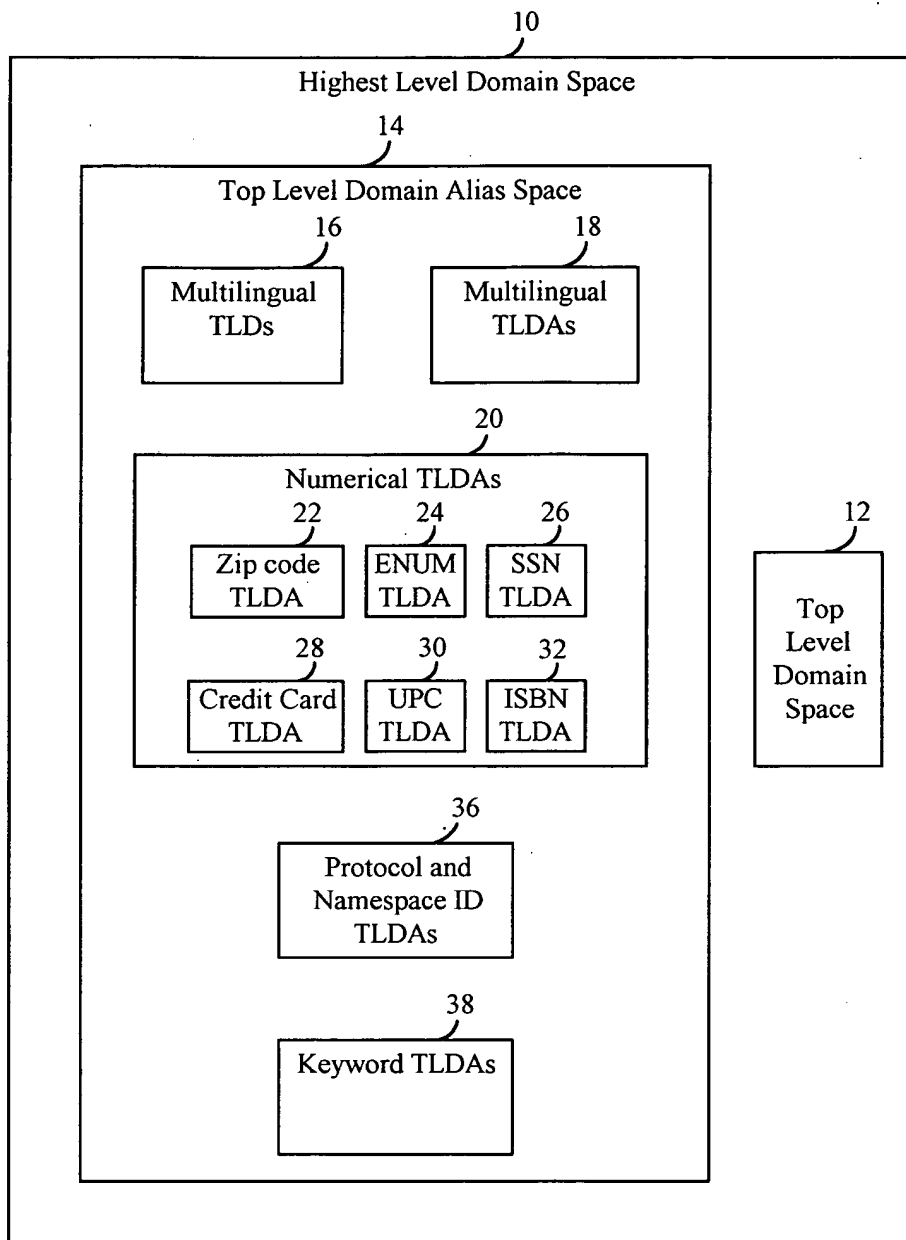


Fig. 2g

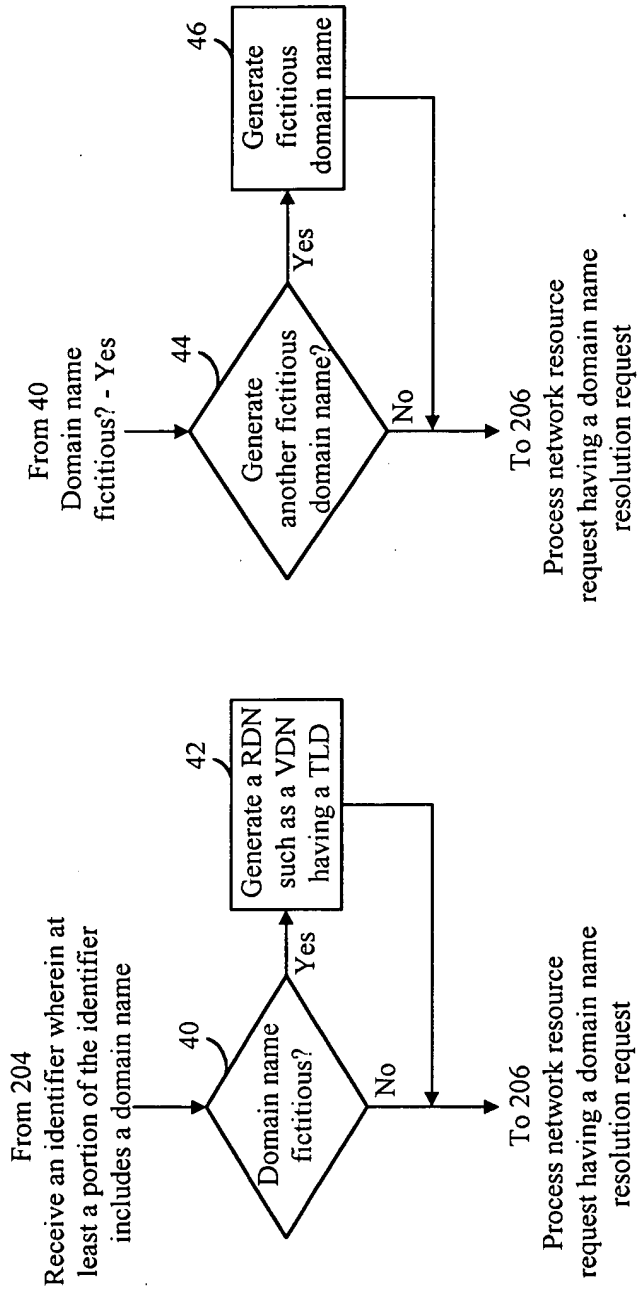


Fig. 2h

Fig. 2i

From 206
Process network resource
request having a domain name
resolution request

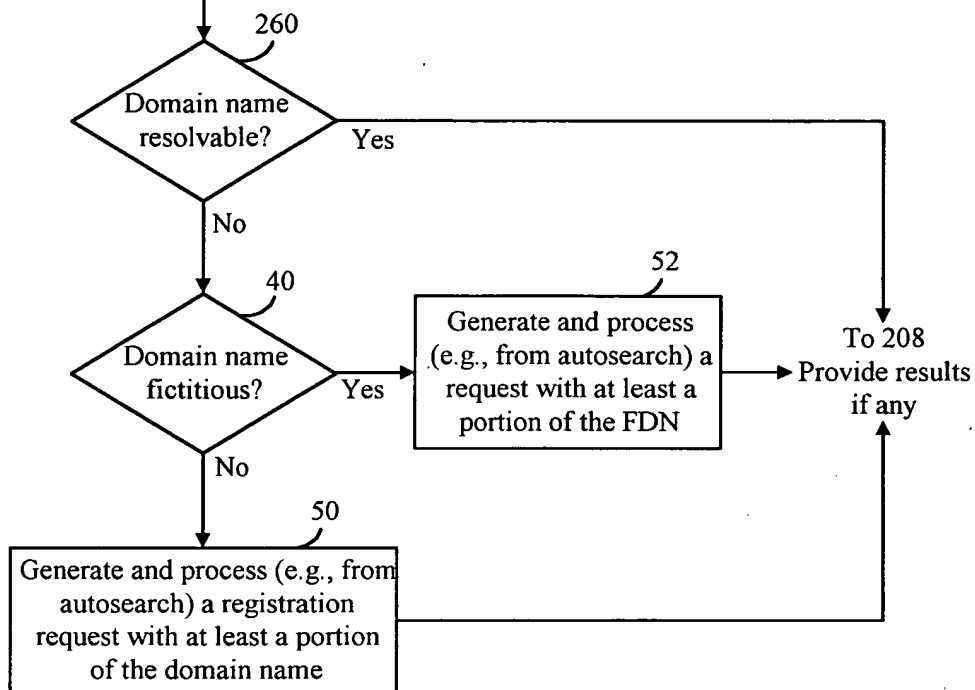


Fig. 2j

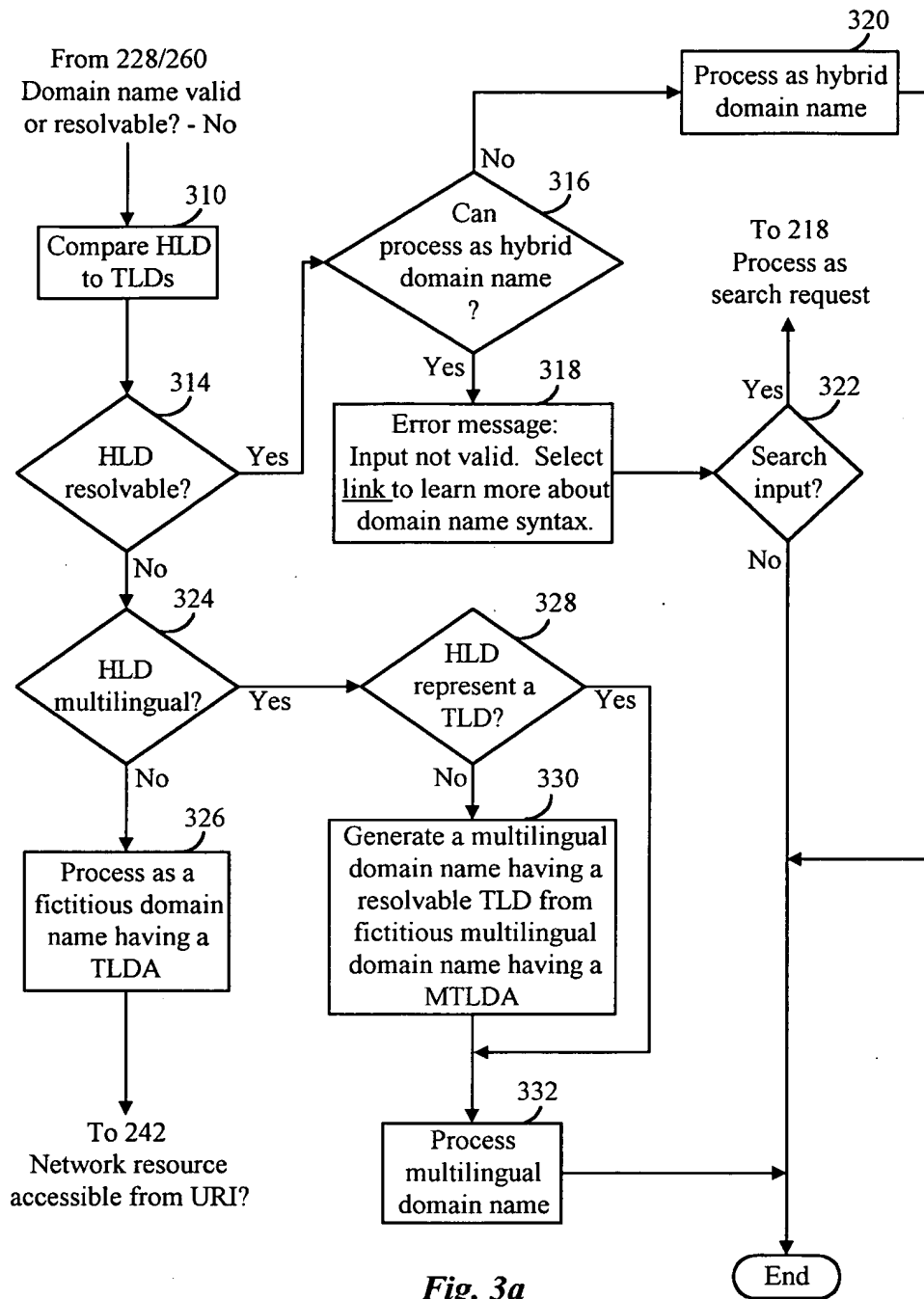


Fig. 3a

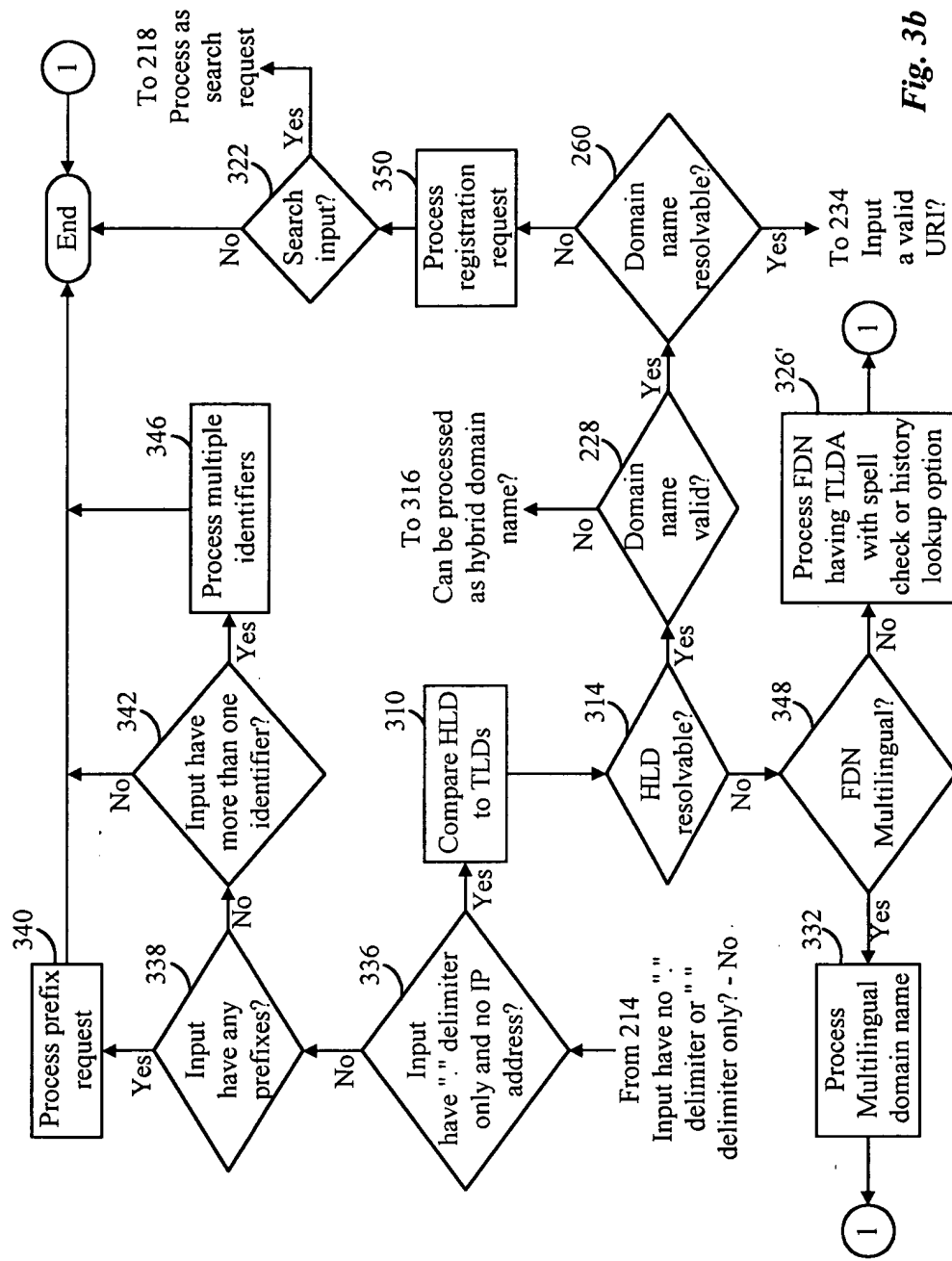


Fig. 3b

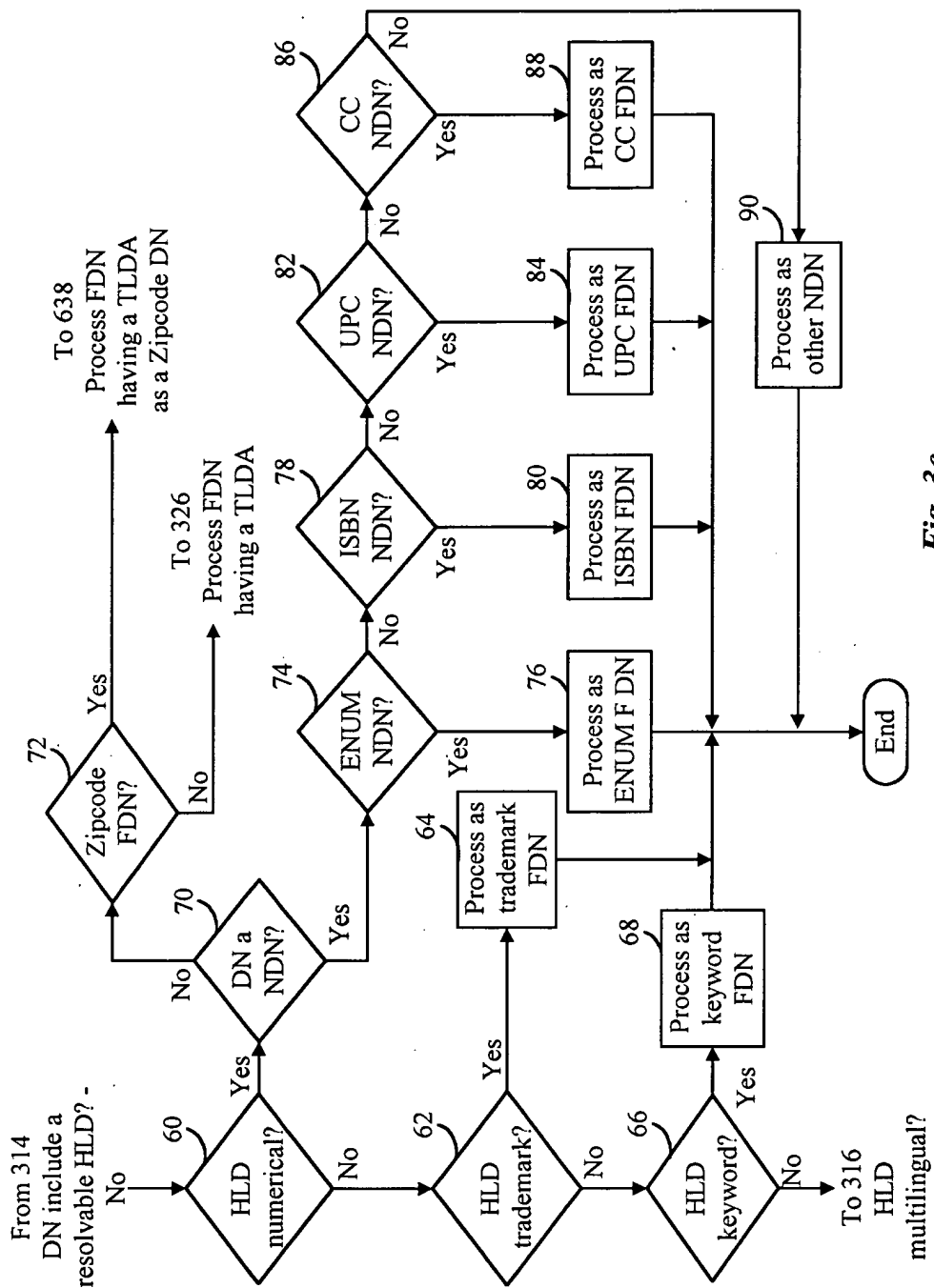


Fig. 3c

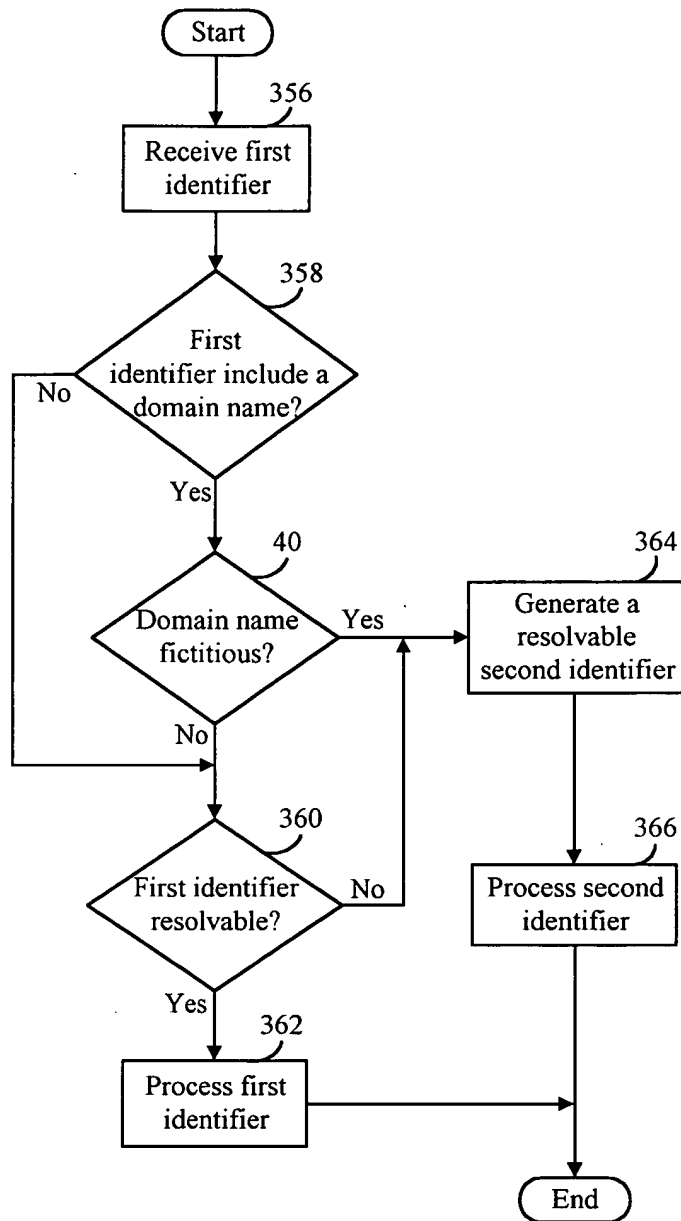


Fig. 3d

Downloaded from www.scribd.com

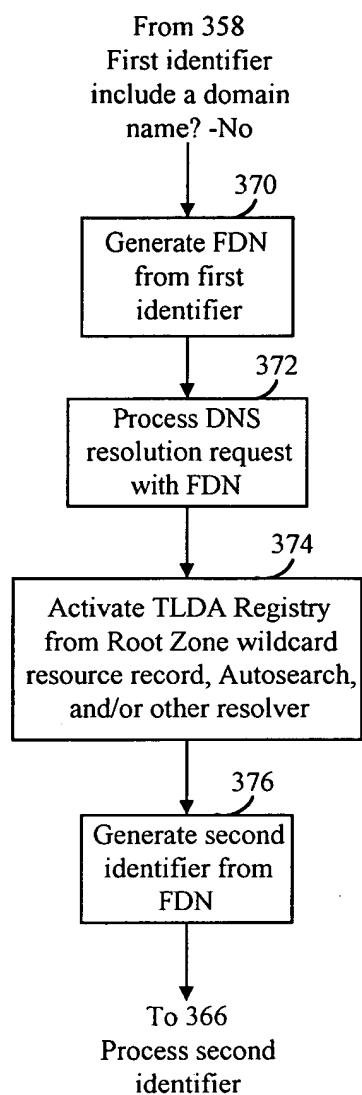


Fig. 3e

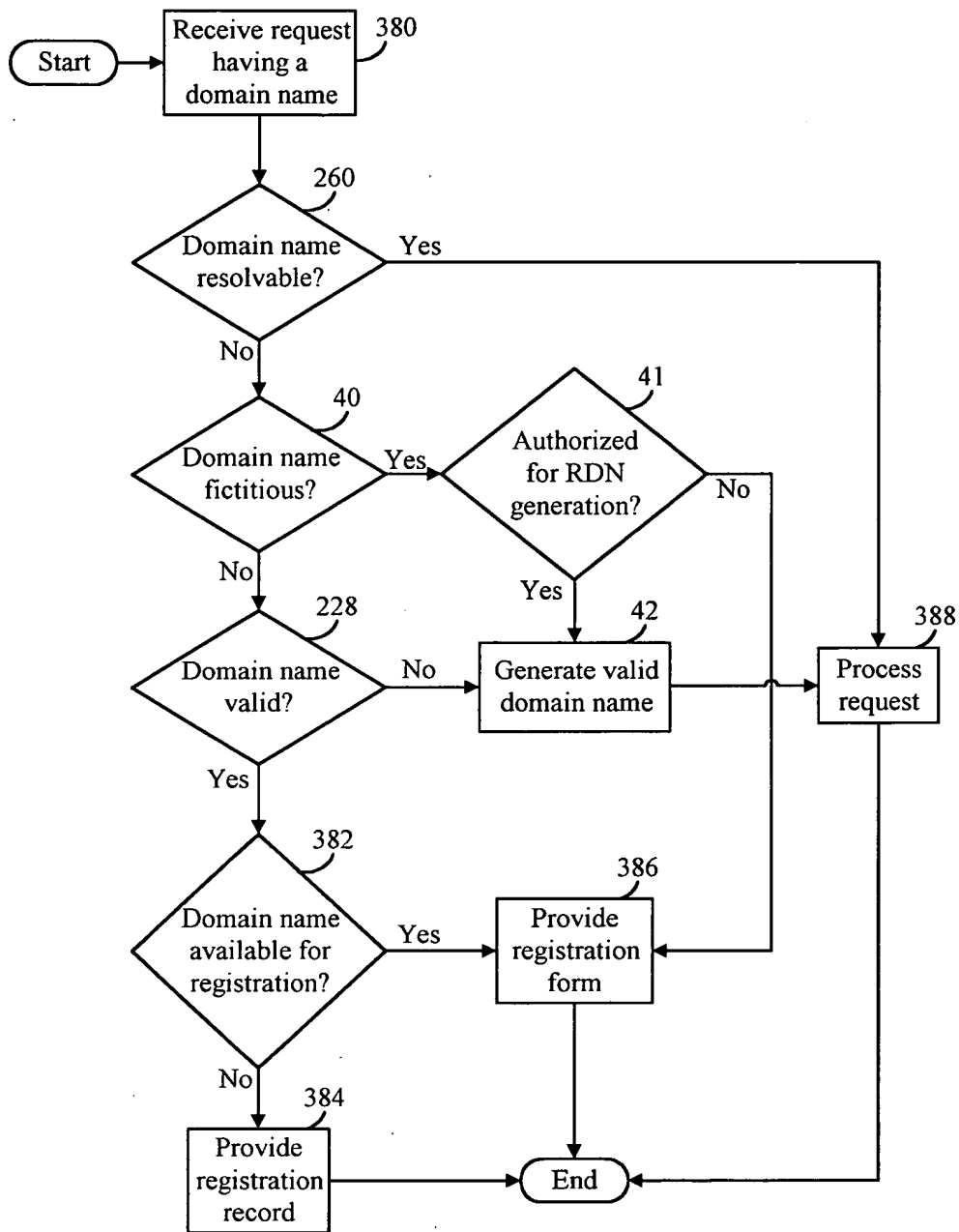


Fig. 3f

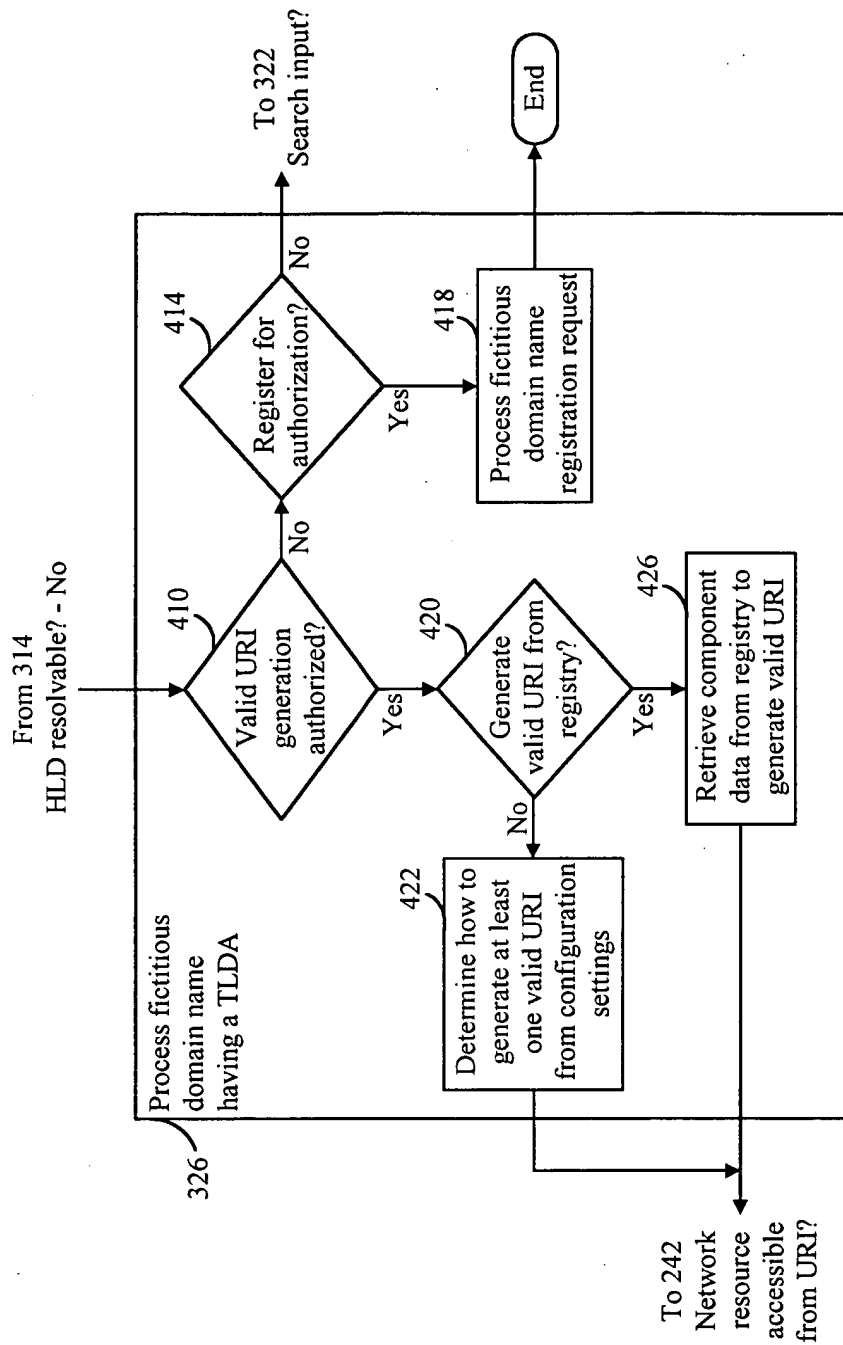


Fig. 4a

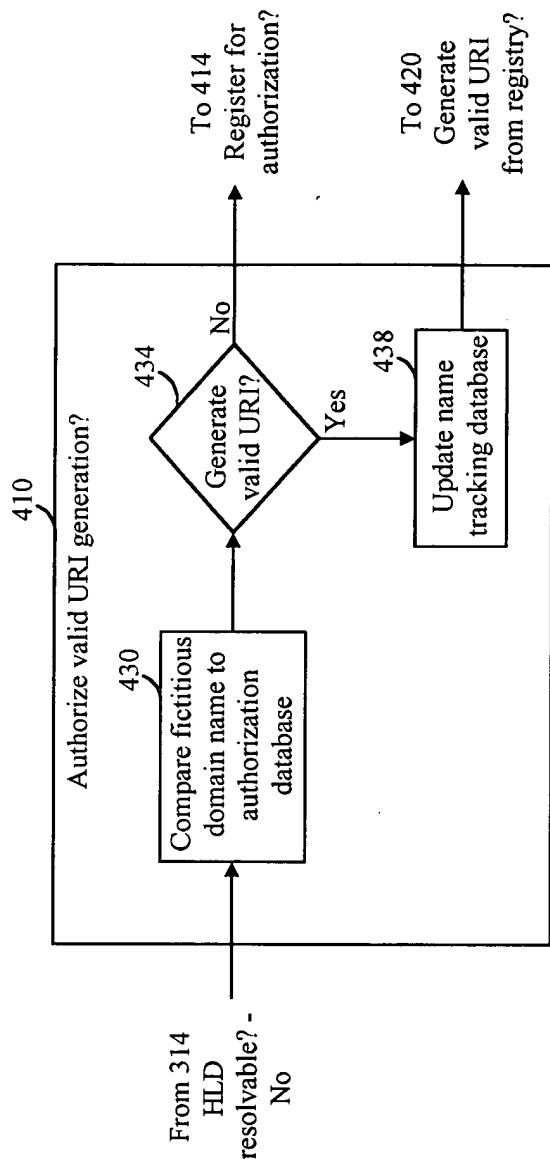


Fig. 4b

Name	Date/Time	IP Address	Hits
name.game	199903220100	31.41.59.26	2237
top.stories	199904050330	27.18.28.18	1342
best.buys	199904201755	141.42.13.56	1846

Fig. 4c

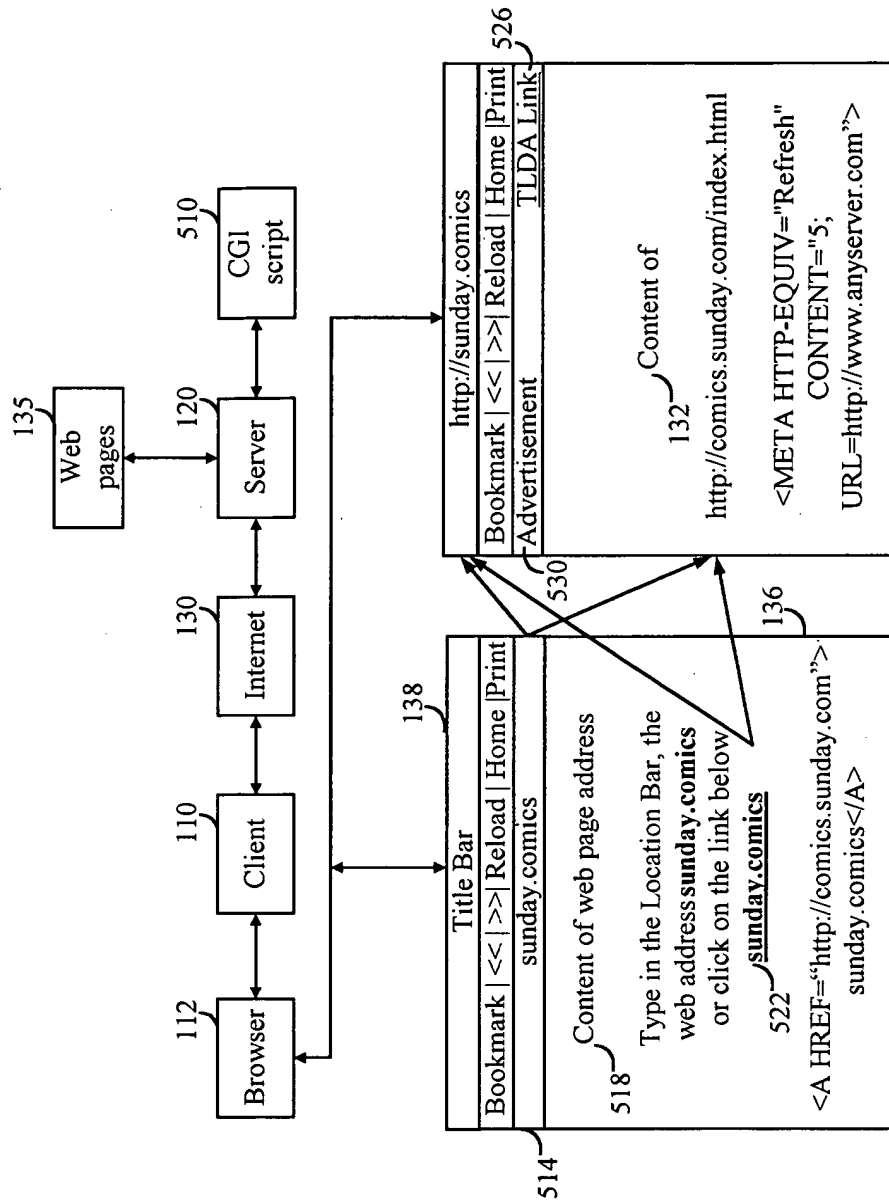


Fig. 5

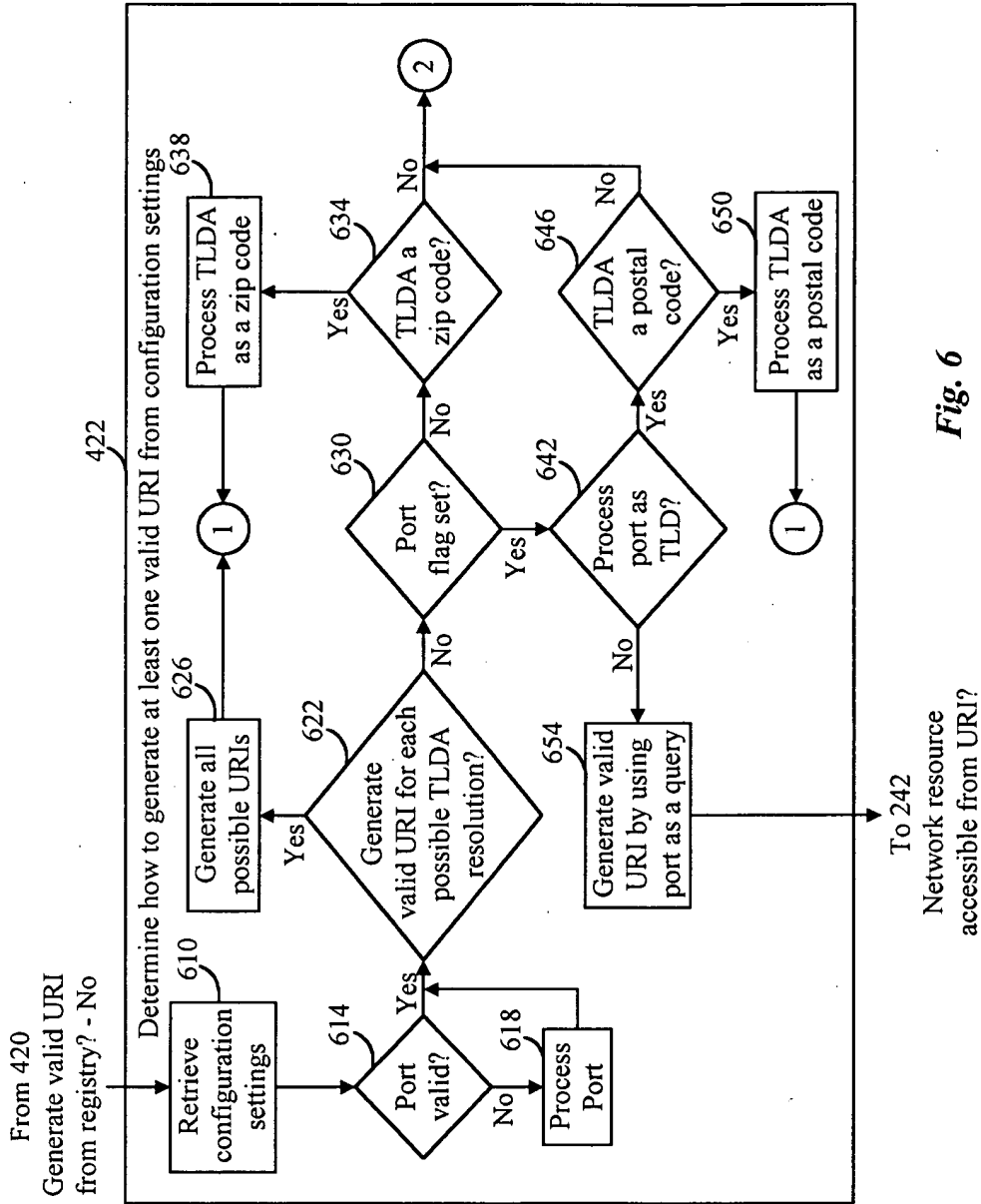


Fig. 6

Fig. 7

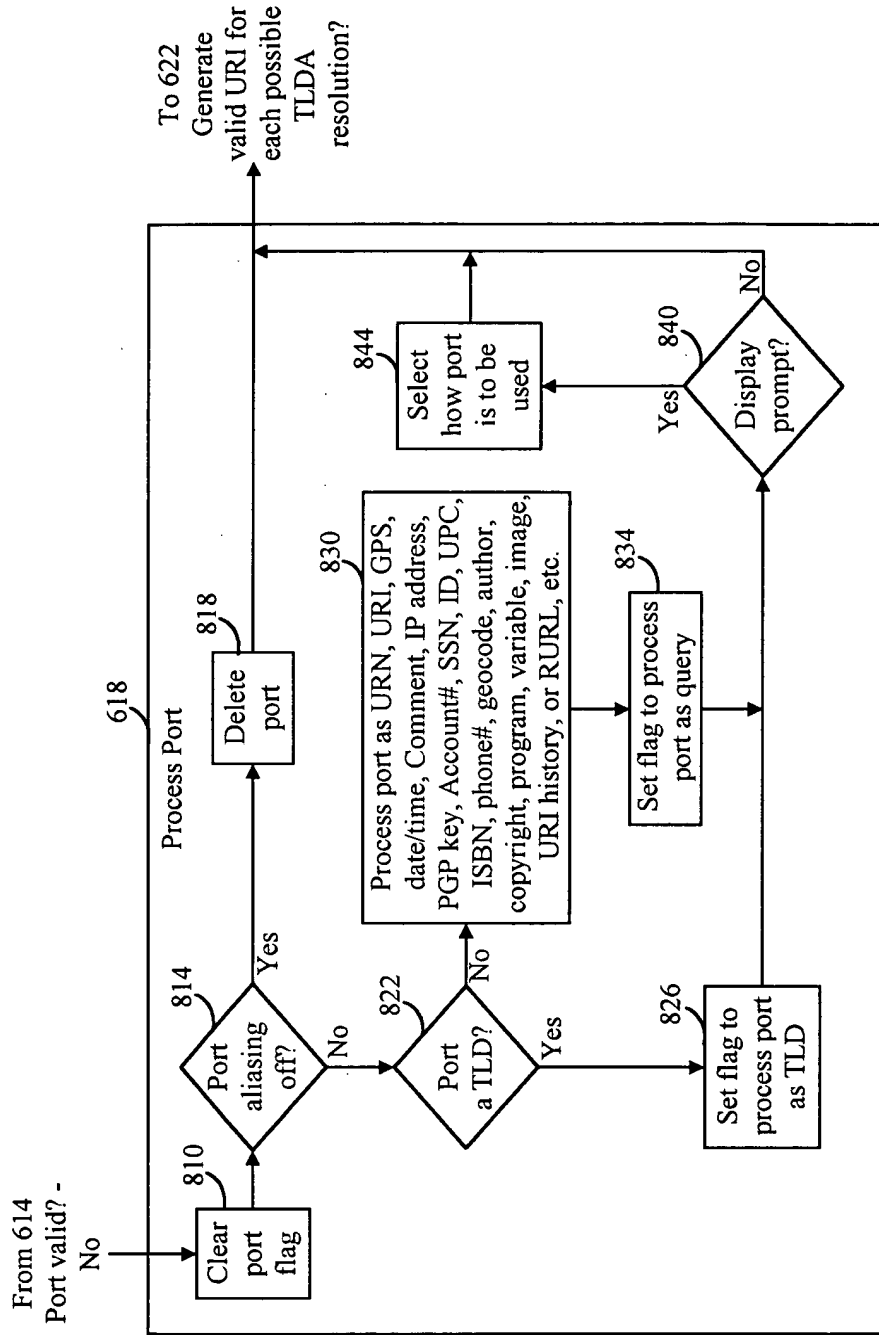


Fig. 8

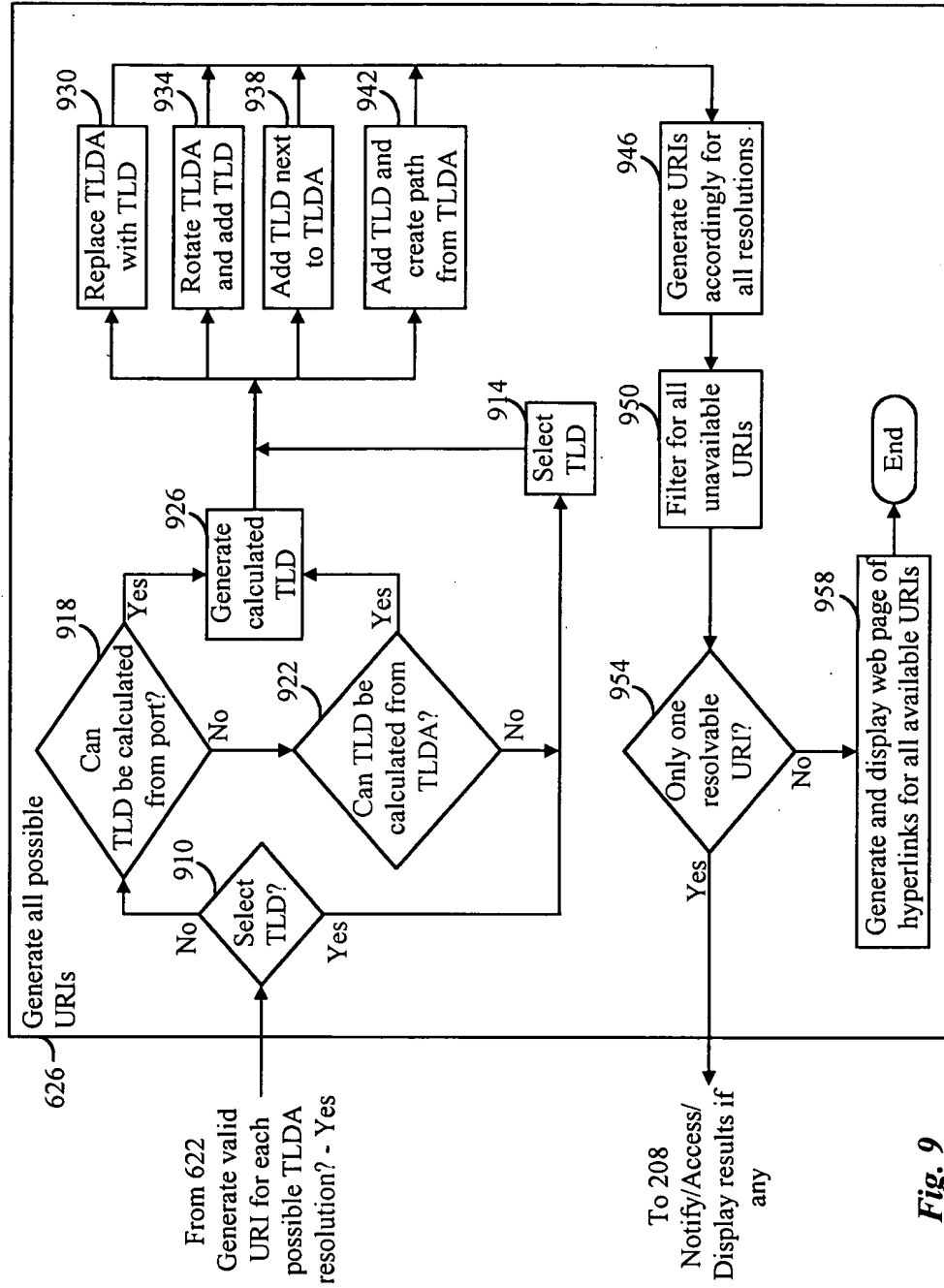


Fig. 9

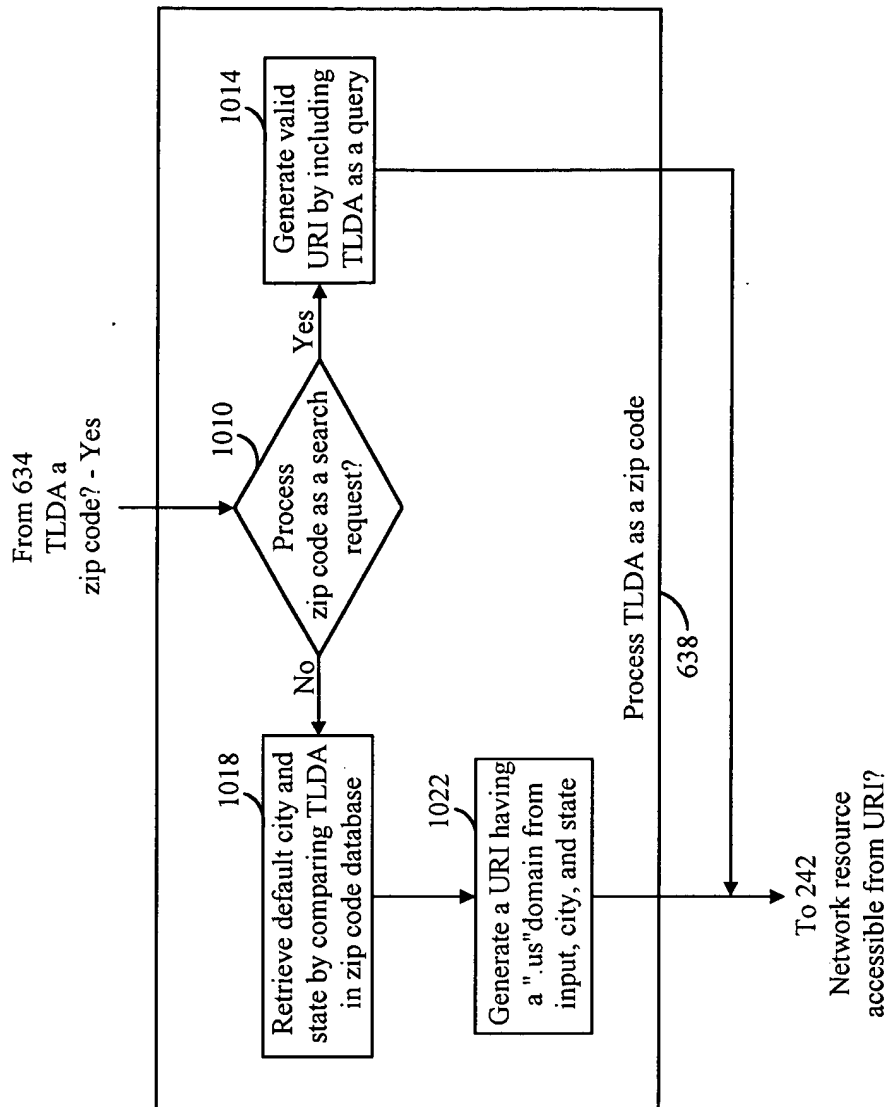


Fig. 10a

1040 →

Default	Zip Code	City	State
T	44114	cleveland	oh
T	44115	cleveland	oh
F	44116	cleveland	oh
T	44116	rockyriver	oh
F	44117	cleveland	oh
T	44117	euclid	oh
T	44118	cleveland	oh
F	44118	clevelandheights	oh
F	44118	eastcleveland	oh
F	44118	shakerheights	oh
F	44118	universityheights	oh

Fig. 10b

FIG. 10b

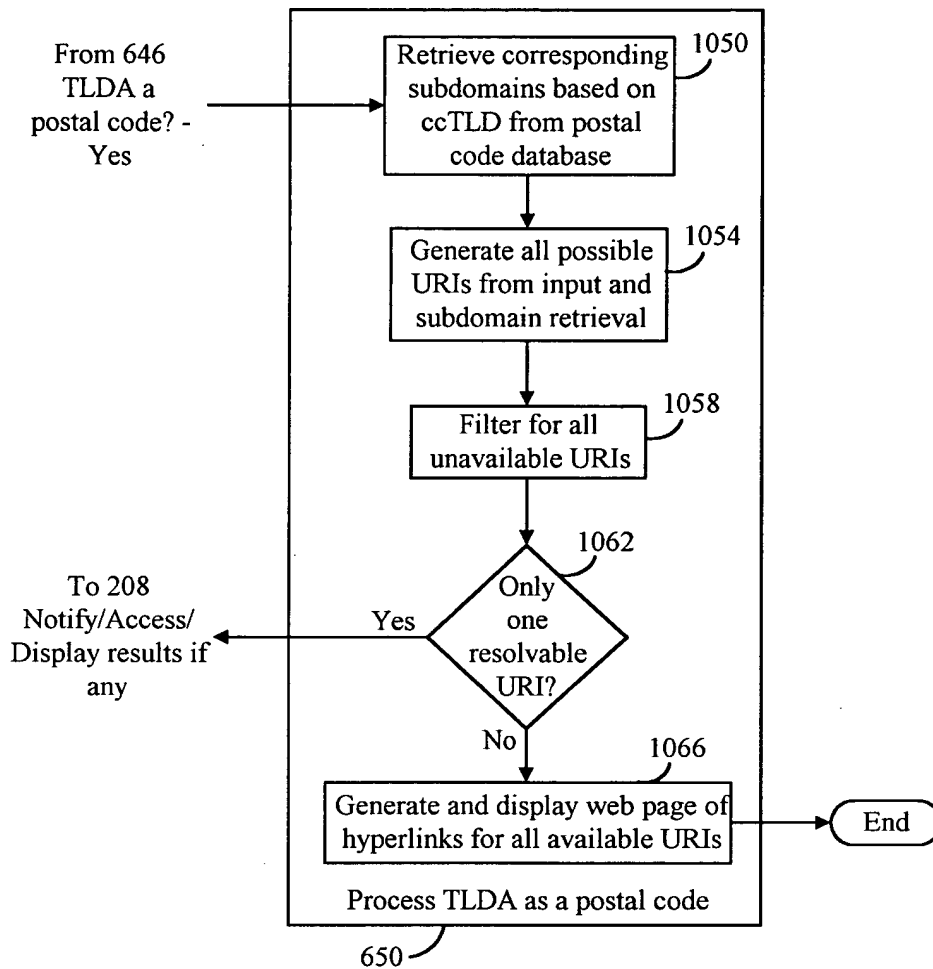


Fig. 10c

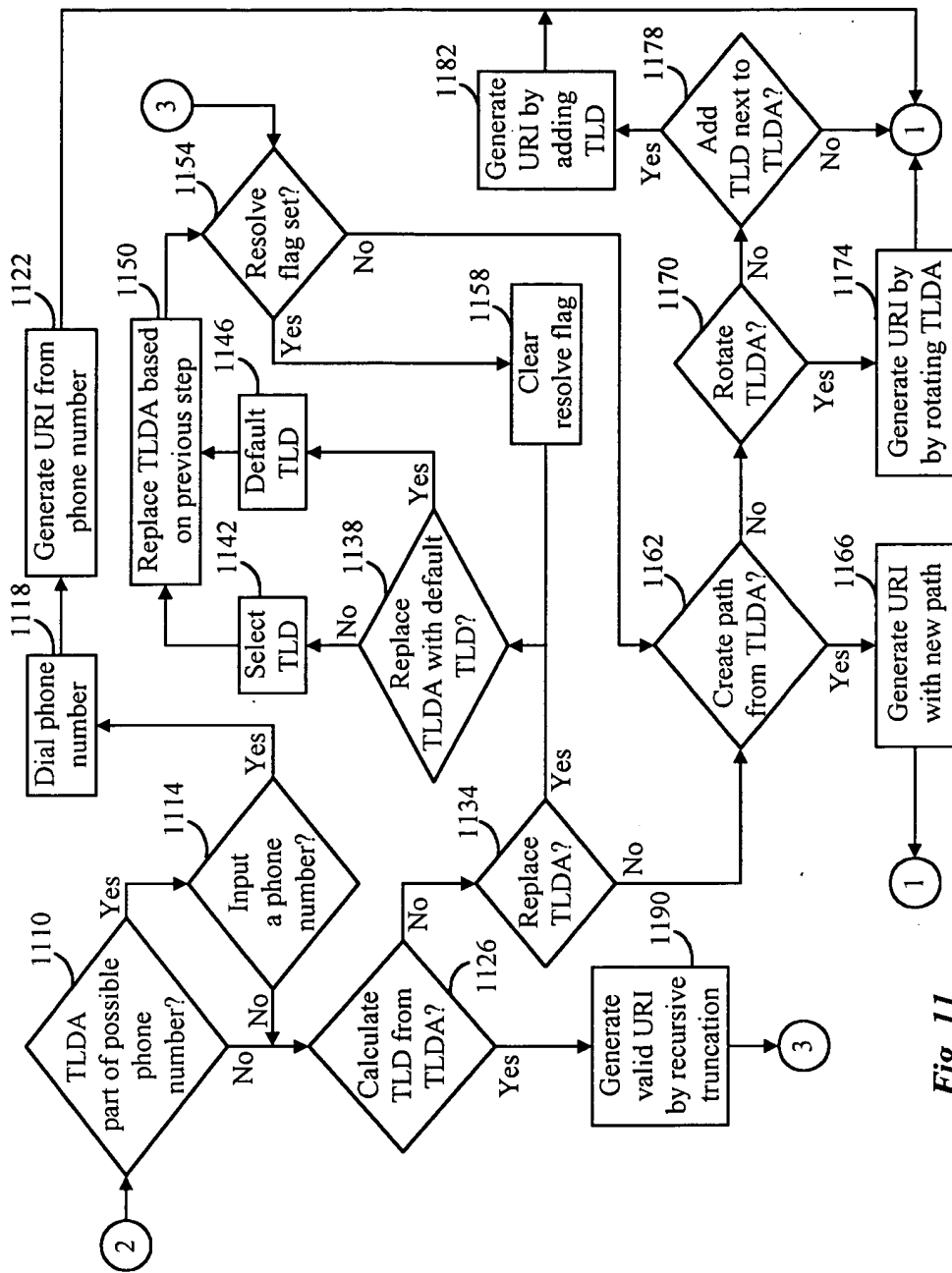


Fig. 11

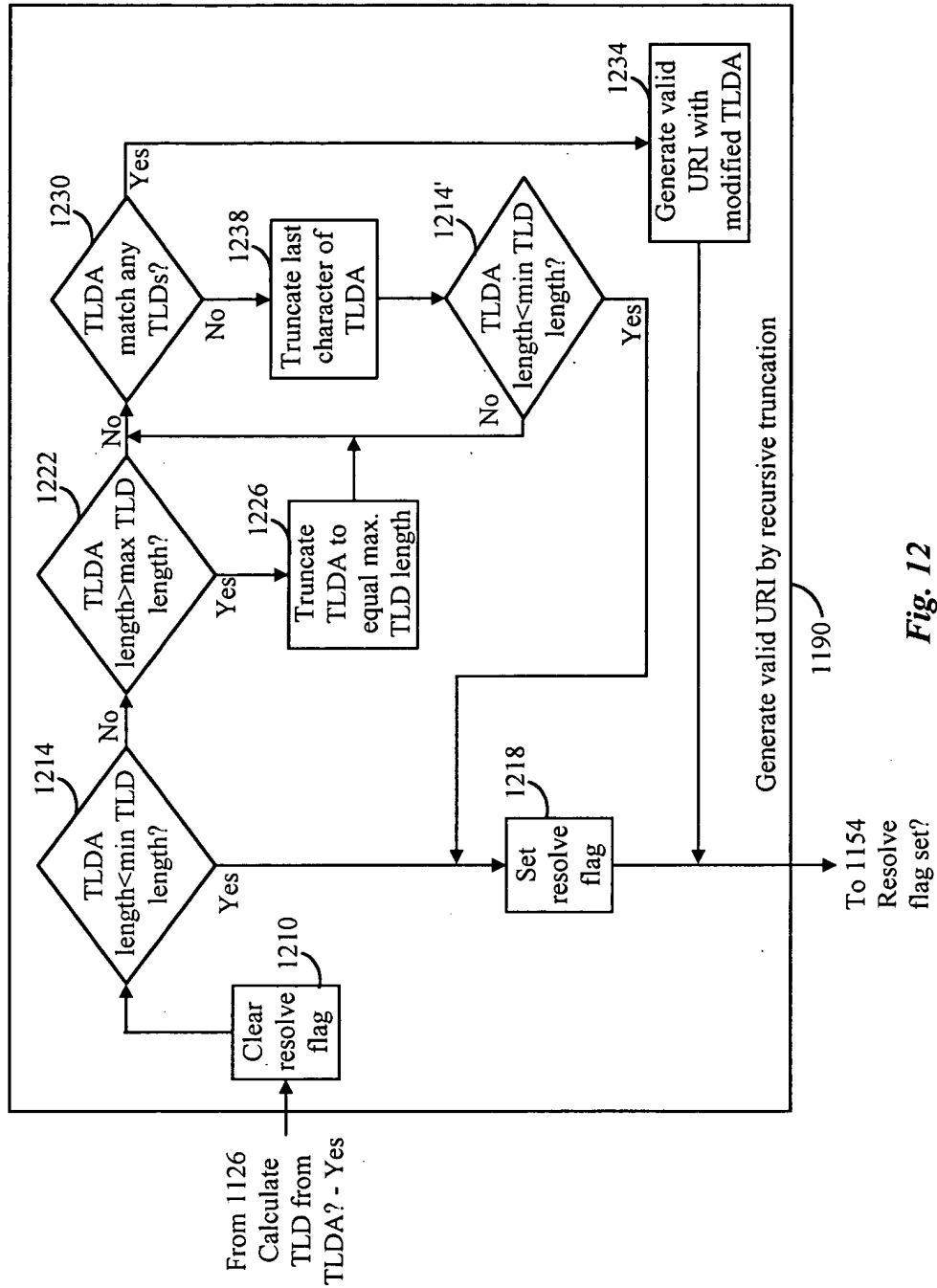


Fig. 12

Row	Location Field	Generated URI
1	example.com www.example.com http://www.example.com	http://www.example.com:80/index.html
2	example.company	http://example.com http://company.example.com http://example.company.com http://example.company.tlda.com http://example.com/company/index.html http://example.com/example.company/ http://example.com/example/company/ http://example.com/pamy/index.html http://example.co
3	free.love.to	http://free.to http://love.free.to http://free.love.to http://free.to/love
4	800.555.1212 12345.67890 123.45.6789 4428.1234.3456.5678 3.1415.9265.3	http://www.1212.800.555.com http://2.1.2.1.5.5.5.0.0.8.1.e164.arpa http://12345.67890.upc.arpa http://6789.45.123.ssn.arpa http://8.7.6.5.6.5.4.3.4.3.2.1.8.2.1.4.card.arpa http://3.5.6.2.9.5.1.4.1.3.isbn.urn.arpa
5	http://example.44106 http://example.44106:us	http://example.cleveland.oh.us
6	foo@bar.company	mailto:foo@bar.com

Fig. 13

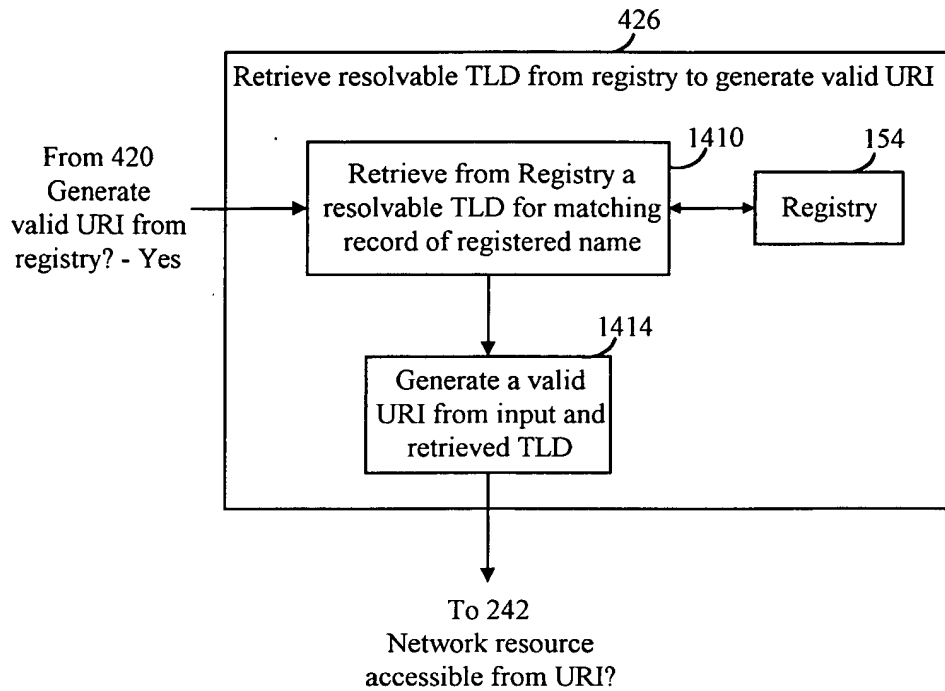


Fig. 14a

FIG. 14a

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Name	TLD	Registrant	Address	Phone Number	E-mail	Password	Expiration	Etc.
name.game	.net	John Doe	123 Main St. NYC	212.555.TLDA	info@tlda.com	tlda555	200003221200	demo
top.stories	.to	Jane Smith	Cleveland, OH	216.555.NAME	555@tut.net	L342	200002062236	geog

Fig. 14b

Name	TLD
name.game	.net
top.stories	.to
best.buys	.com

152

Fig. 14c

Name	Method	Scheme	Web	Domain	TLD	Port	Path	Component
top.stories	3	http://	www	example	.to	:80	count/top.stories	search string
search.now	2	ftp://	www2			:21		stuff
name.game	4			name	.net			etc.

1420

1514

Fig. 15a

1510

Method Name	Method #	Rank	Example/Function	Form
Truncate	3	1	top.stories=top.st	SLD.TLD
Replace	1	2	top.stories=top.to	SLD.TLD
Path	4	3	top.stories=top.to/stories	SLD.TLD/TLDA
Rotate	5	4	top.stories=stories.top.to	TLDA.SLD.TLD
Append	9	5	top.stories=top.stories.to	SLD.TLDA.TLD
Delimit	2	6	top.stories=top.st/ories	SLD.TLD/A
Reverse	8	7	top.stories.today=today.stories.top.to	TLDA.SLD.3LD.TLD
Custom	16	8	top.com.today=today.top.com	TLDA.3LD.SLD
Query	6	9	top.stories=top.com/cgi-bin/index.cgi?tlida=stories	
PURI	7	10	top.stories=top.com/any/path/equals/stories	
Network	15	11	top.stories=somename.com	
Central	14	12	top.stories=anothername.com	
ZipNames	10	13	top.stories=yetanothername.com	
Netscape	13	14	top.stories=onemorename.com	
Microsoft	11	15	top.stories=microsoft.com/news	
AOL	12	16	top.stories=aol.com/topstories	

Fig. 15b

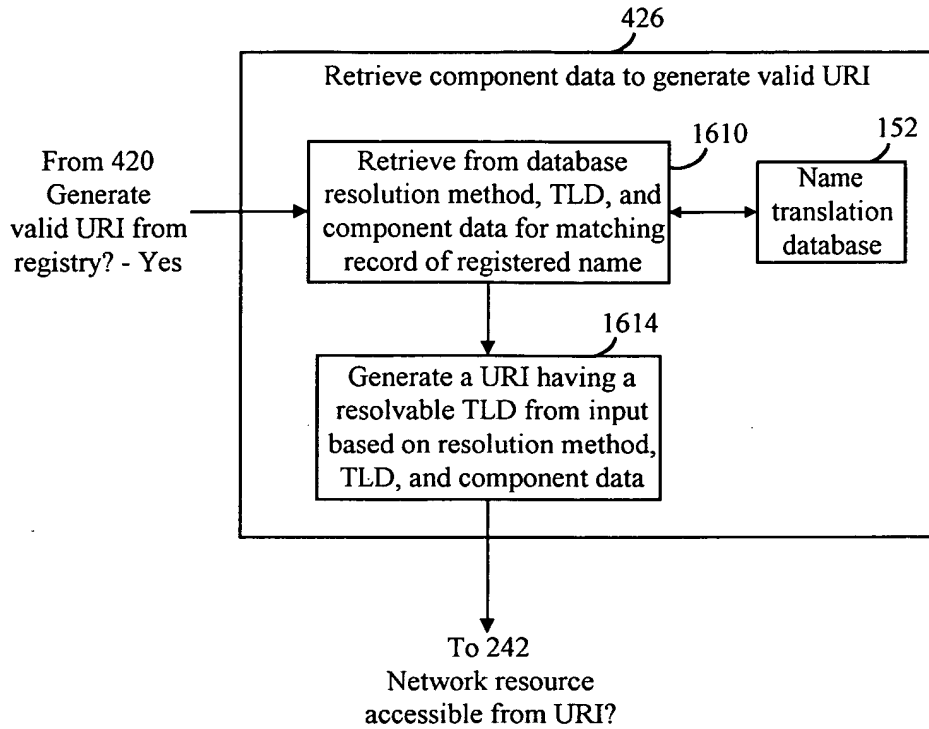


Fig. 16

FIG. 16

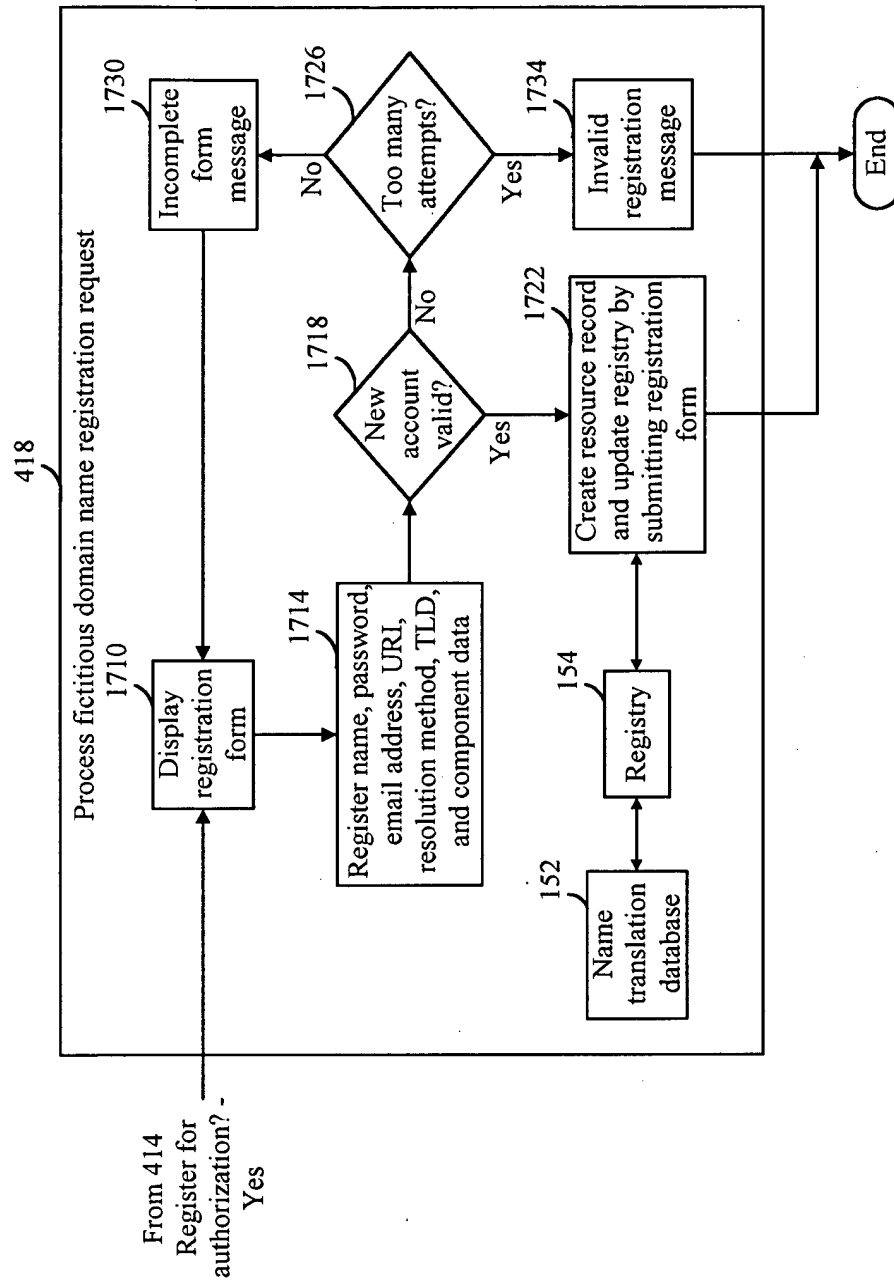


Fig. 17

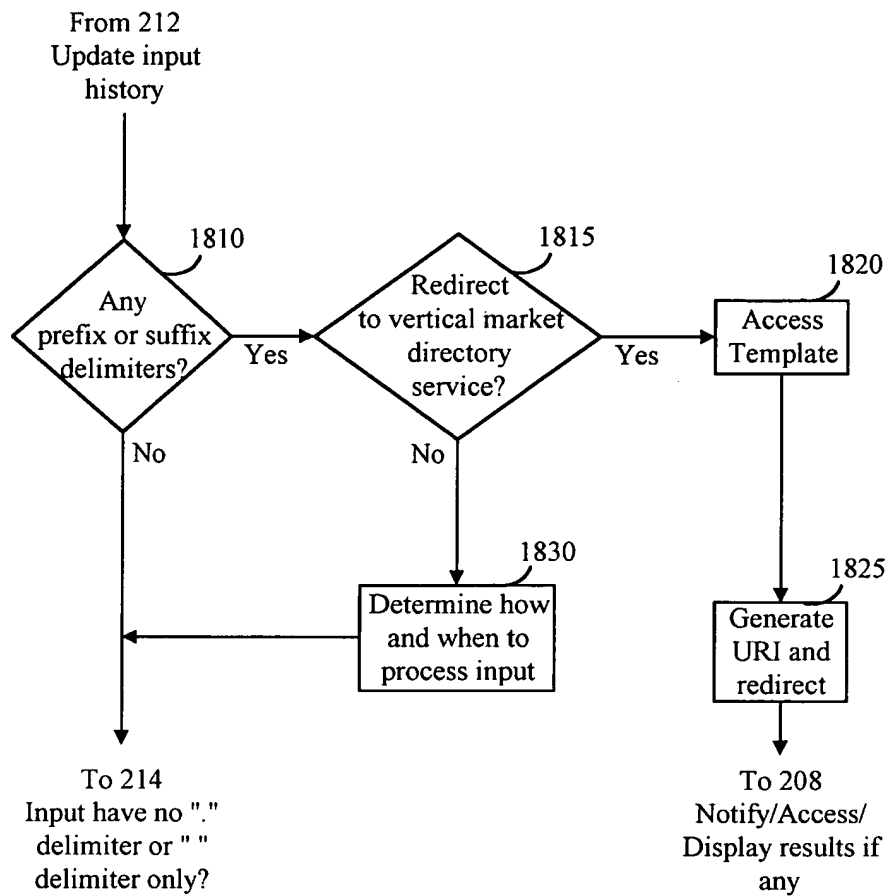


Fig. 18

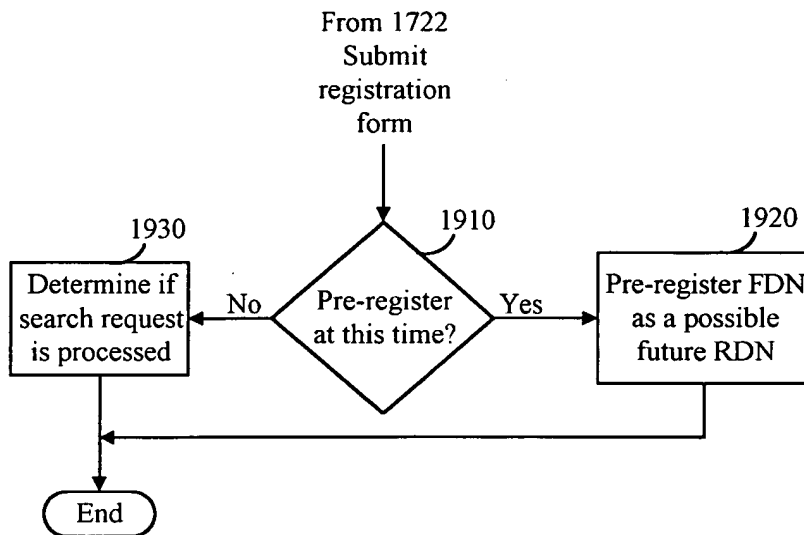


Fig. 19a

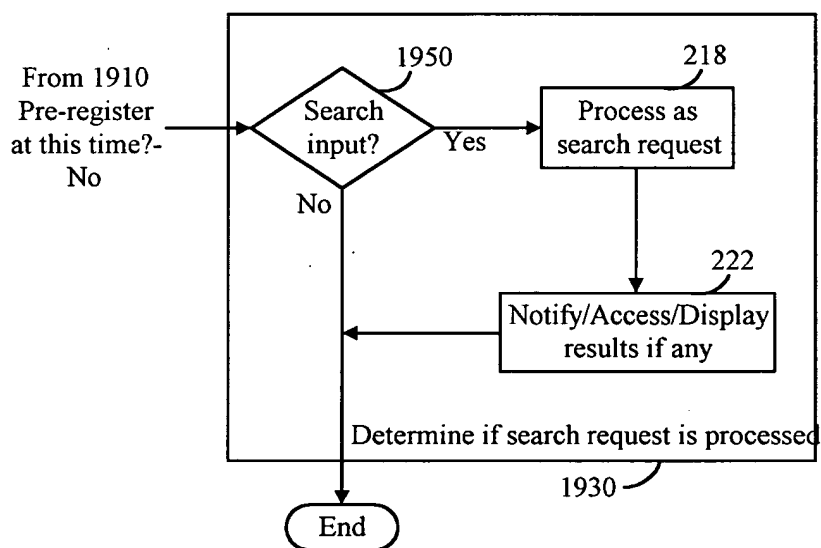


Fig. 19b

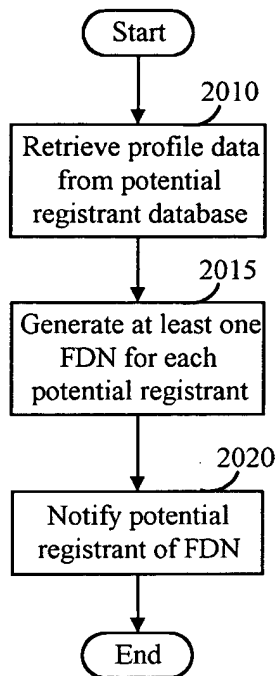


Fig. 20a

TLDA.COM TOLL FREE

Dear John,

TLDA is pleased to introduce to you how to get started on the Internet right away with your very own TLDA name.

If you don't have a way to connect to the Internet then ask a friend who is on-line or go to your local library and come to our website WWW.TLDA.COM and learn how you can register and use your very own TLDA name.

You can give your new TLDA name to friends or print your TLDA name on your business card so people know how to reach you on the Internet!!

We have reserved a few names for you to try risk free.

John.Doe		
123.Coventry		2030
Smithtown.Pizza		—
Coventry.Wine		

Come to our web site and type or scan in any TLDA names listed above.

If you are not interested in the names we have set aside for you, then you can trade them in and pick another name to get started with the TLDA name service.

If you'd like-- call our toll free number for more information or to reserve your TLDA name right away!

Sincerely,
Your local TLDA representative

Fig. 20b

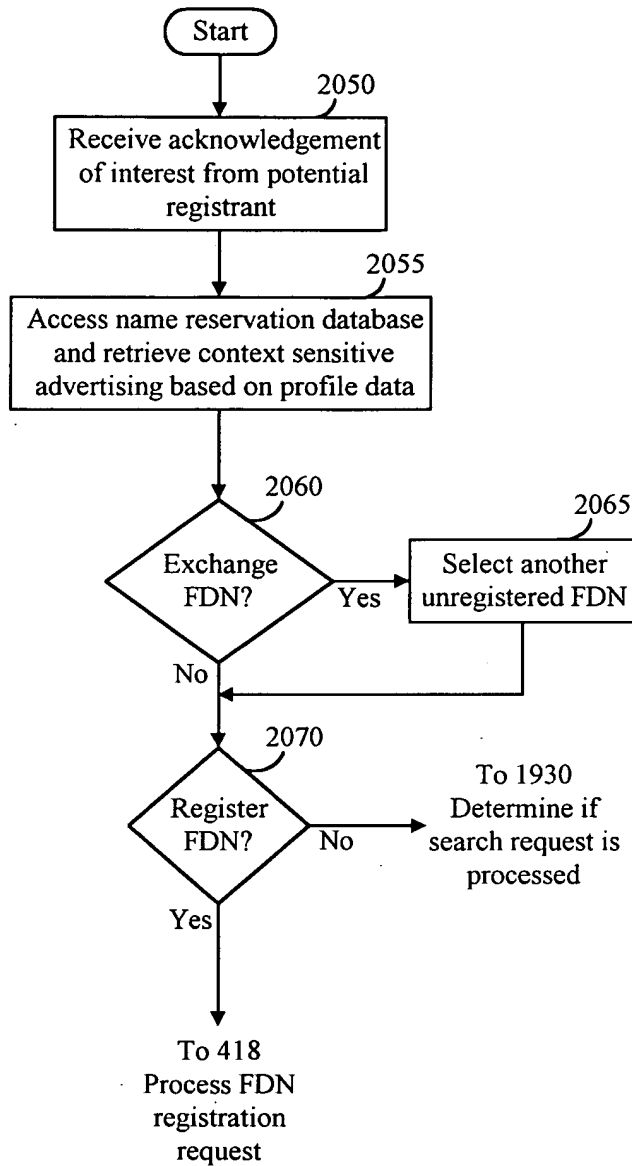


Fig. 20c

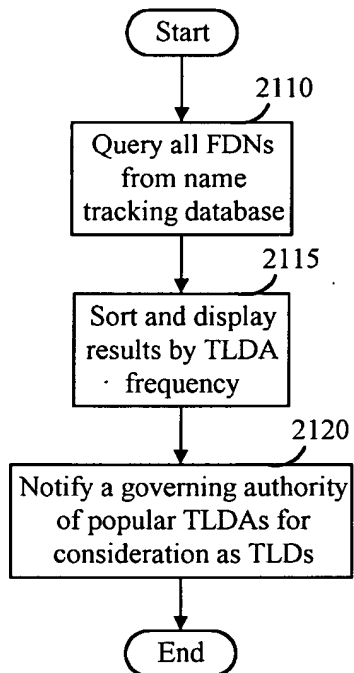


Fig. 21a

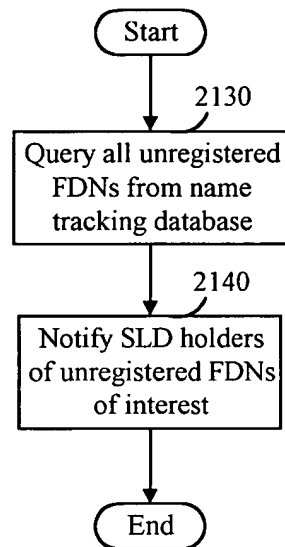


Fig. 21b

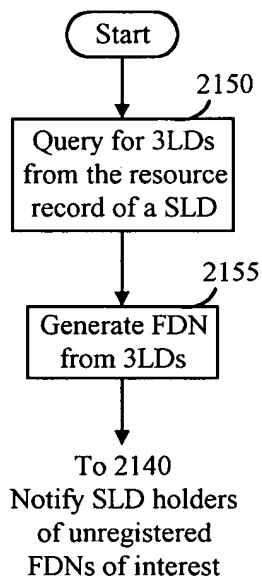
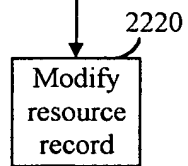
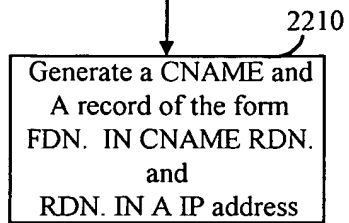


Fig. 21c

From 1722
Submit
registration
form



To 1910
Pre-register
at this time?

Fig. 22

FIG. 22

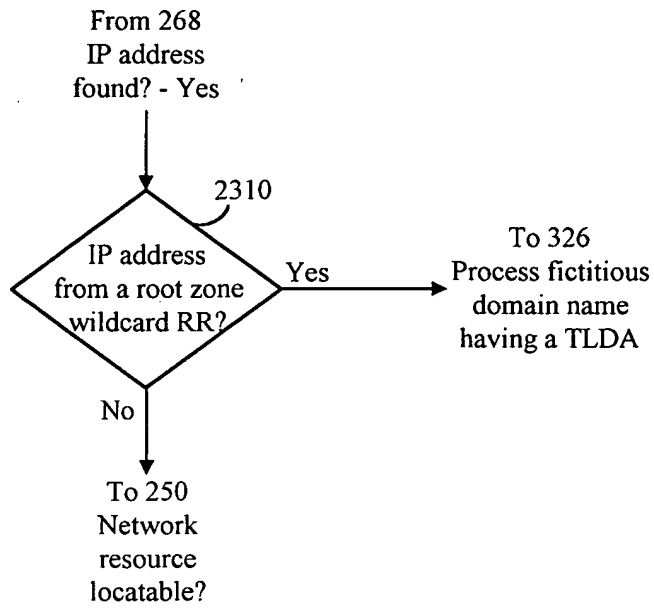


Fig. 23a

```
. IN SOA A.ROOT-SERVERS.NET. hostmaster.nsregistry.net. (
    2001041700 ;serial
    1800 ;refresh every 30 min
    900 ;retry every 15 min
    604800 ;expire after a week
    86400 ;minimum of a day
)
. 518400 IN NS A.ROOT-SERVERS.NET.
. 518400 IN NS H.ROOT-SERVERS.NET.
. 518400 IN NS C.ROOT-SERVERS.NET.
A.ROOT-SERVERS.NET. 518400 IN A 198.41.0.4
H.ROOT-SERVERS.NET. 518400 IN A 128.63.2.53
C.ROOT-SERVERS.NET. 518400 IN A 192.33.4.12
COM. 172800 IN NS A.GTLD-SERVERS.NET.
COM. 172800 IN NS G.GTLD-SERVERS.NET.
COM. 172800 IN NS C.GTLD-SERVERS.NET.
CA. 172800 IN NS CLOUSO.RISQ.QC.CA.
CA. 172800 IN NS NS2.UUNET.CA.
CA. 172800 IN NS RELAY.CDNNET.CA.

; Illustration of the Root Zone File

A.GTLD-SERVERS.NET. 172800 IN A 192.5.6.30
G.GTLD-SERVERS.NET. 172800 IN A 192.42.93.30
C.GTLD-SERVERS.NET. 172800 IN A 192.26.92.30
CLOUSO.RISQ.QC.CA. 172800 IN A 192.26.210.1
NS2.UUNET.CA. 172800 IN A 142.77.1.5
RELAY.CDNNET.CA. 172800 IN A 192.73.5.1

* 172800 IN NS TLDA.ARPA.
TLDA.ARPA. 172800 IN A 123.45.67.89

;TLDA.ARPA is used as a Primary Virtual Zero Level Domain and is in
;operative association with a network resource adapted to determine how
;to process the detected identifier having a top level domain alias
```

Fig. 23b

FIG. 24

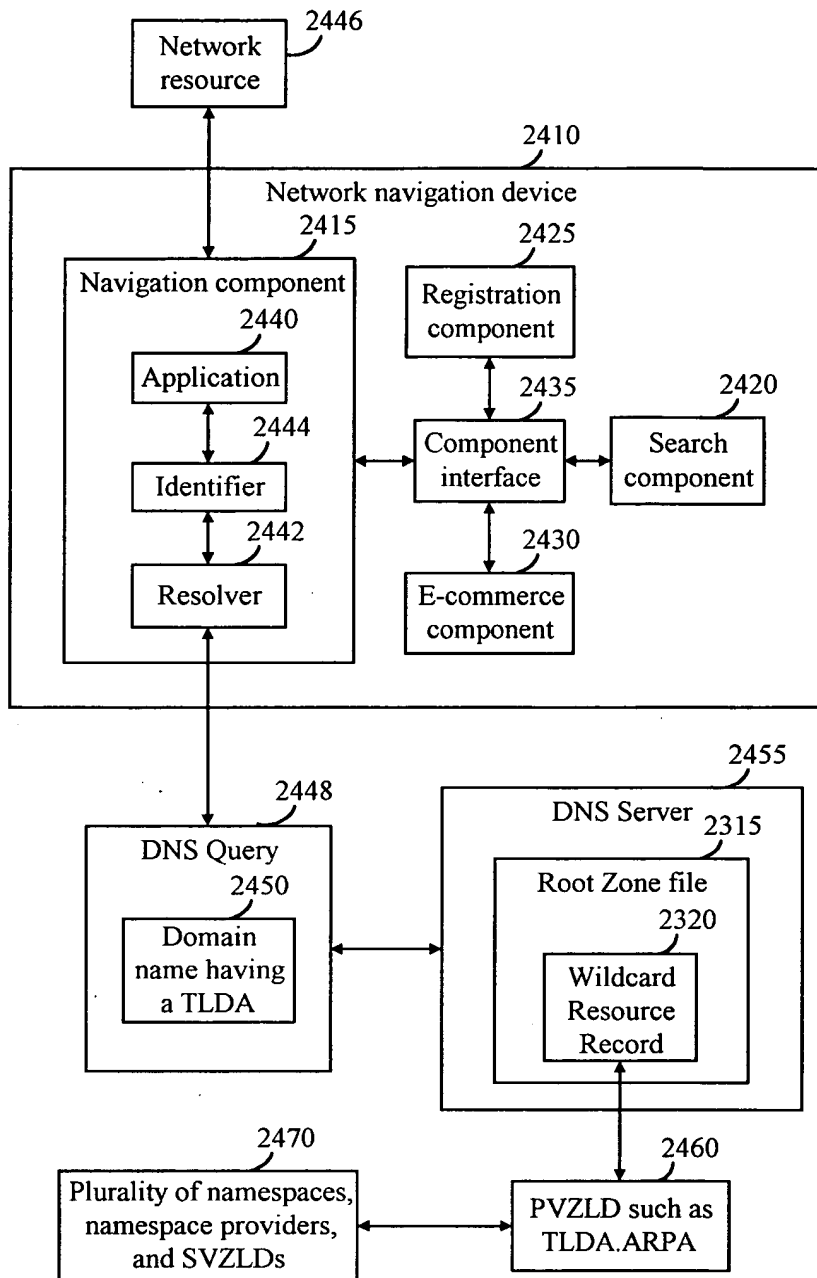


Fig. 24